? 04.02.2011 23:20 oracle **Shift summary**

04.02.2011 23:24 ttflinac **Main linac parameters**

shift documentation

Laser

Number of bunches 1
Bunch frequency ..... 1000 kHz
Macropulse rep'rate .... 10.0 Hz
Pump time_3 ..... 0.0030 ms
Pump current_3 ..... 5.00 V
Pre-amp start time ..... 2.42 ms
Booster start time ..... 2.66 ms
Attenuator SP 5.53
Iris diameter ..... 17184 steps
Iris diameter ..... 2.17 mm

Gun

Feedforward/Feedback ... on/on
FSM ..... on
Pfwd SP 3.65
VS ampl. 18.32
Phase SP ..... -10.00 deg
VS phase ..... 7.15 deg
Pfwd (peak) ..... 3.916 MW
Prefl (peak) ..... 2.898 MW
Pfwd sample point 700
Pfwd (at sample point) . 18.323 MW
Prefl sample point 720
Prefl (at sample point) 5.585 MW
Flat top ..... 460 us
Water temperature SP ... 72.75 deg C
Main solenoid (RBV) .... -299.74 A
Bucking coil (RBV) ..... 32.00 A
Gun dipole (RBV) ..... 0.000 A
Charge 3GUN(T1) ..... 0.01 nC
DC kicker delay ..... 6.80 ms
DC kicker HV ..... not local
DC kicker HV ..... disabled
DC kicker HV ..... off
DC kicker SP ..... 60.00 V
DC kicker start ..... 124.00 ns

ACC1

Feedforward/Feedback ... on/on
Feedback gain 2.0
Pfwd SP 164.00
Pfwd RBV 163.99
Phase SP ..... -2.34 deg
Phase RBV ..... -2.30 deg
Pfwd C1.ACC1 ..... 188.0 kW
Pfwd C5.ACC1 ..... 179.6 kW
Flat top ..... 800 us
Dipole BC2 (RBV) ..... 73.11 A
Pyro 9DBC2.1 ..... 0.0005 V
Radiator 9DBC2 ..... out
Slow phase feedback .... off
Slow ph. FB target/gain -0.400/-0.1
Slow ph. FB pyrodet.used Pyro 9DBC2.1 (fine, old ADC)

ACC39

Feedforward/Feedback ... on/on
Feedback gain 10.0
Pfwd SP 19.00
Phase SP ..... -10.53 deg
Pfwd C1.ACC39 ..... <error>
Flat top ..... 800 us

ACC2/3

Feedforward/Feedback ... on/on
Feedback gain 2.0
Pfwd SP 297.50
Pfwd RBV 297.94
Phase SP ..... -5.00 deg
Phase RBV ..... -5.06 deg
Pfwd C5.ACC2 ..... 125.58 kW
Pfwd C1.ACC3 ..... 218.78 kW
Flat top ..... 450 us
Dipole BC3 (RBV) ..... 56.00 A
Pyro 4DBC3.1 ..... -0.0020 V
Pyro 4DBC3.3 ..... 0.0014 V
Radiator 4DBC3 ..... out

ACC4/5

Feedforward/Feedback ... on/on
Feedback gain 40.0
Pfwd SP 150.00
Pfwd RBV 150.10
Phase SP ..... -8.90 deg
Phase RBV ..... -8.90 deg
Pfwd C1.ACC4 ..... 130.07 kW
Pfwd C2.ACC5 ..... 55.19 kW
Pfwd C1.ACC6 ..... 0.61 kW
Flat top ..... 800 us

ACC6/7

Feedforward/Feedback ... on/off
Feedback gain 0.4
Pfwd SP 285.50
Pfwd RBV 286.24
Phase SP ..... -6.00 deg
Phase RBV ..... -7.92 deg
Pfwd C1.ACC6 ..... 149.52 kW
Pfwd C1.ACC7 ..... 169.07 kW
Flat top ..... 800 us

Bypass

Dipole D1BYP (RBV) ..... 0.00 A
Energy bypass ..... 1211.4 MeV
RF vector sum ALL ..... 589.7 MeV
Charge 16BYP ..... -0.00 nC

Collimator

Dipole D1ECOL (RBV) .... 176.89 A
Energy dogleg ..... 1002.5 MeV
Charge 7ORS ..... -0.00 nC

Undulator

1SFUND1 gap RBV ..... 220.0 mm
1SFUND2 gap RBV ..... 220.0 mm
1SFUND3 gap RBV ..... 220.0 mm
1SFUND4 gap RBV ..... 180.0 mm

Dump

Dipole D9SMATCH (RBV) .. 0.00 A
Dipole D1DUMP (RBV) .... 0.00 A
Dipole D6DUMP (RBV) .... 213.10 A
Rotator RD13DUMP (RBV) . 9.13 A
Charge 9DUMP ..... -0.00 nC

Feedbacks

Charge feedback gain ... <error>
Charge feedback SP ..... <error>
PTO feedback ..... on

Photon beamline

Aperture 1 ..... 10 mm
Offset h/v ..... 0/-1 mm
Aperture 2 ..... 10 mm
Offset h/v ..... 1/0 mm

```
Status saved in machine file 2011-02-04T23_23_38+01
Orbit reference for the root tool saved in /home/ttflinac/measurements/xy_jitter/2011-02-04T232338
```

```
also in 'save and restore' files:
Magnets saved to: /home/ttflinac/save_restore/Magnets/autosaved/all_Magnets_20110204T232338.sr
uMovers saved to: /home/ttflinac/save_restore/Micromovers/autosaved/uMovers_20110204T232338.sr
from computer: flashbkr2.desy.de
```

04.02.2011 23:25 ttflinac **SASE tuning parameters**

Misc. parameters

```
Energy / Wavelength: 1002.45 MeV / 6.3 nm
Charge:              0.00 nC
Main solenoid:       -299.7 A
Bucking coil:        +32.0 A
Dipoles BC2/BC3:     +73.1 A / +56.0 A
```

RF parameters

	GUN	ACC1	ACC39	ACC2/3	ACC4/5	ACC6/7
Power/Gradient	+3.650	+164.00	+19.00	+297.50	+150.00	+285.50
Readback	3.92	164.0	19.0	297.9	150.1	286.4
Phase	-10.00	-2.34	-10.53	-5.00	-8.90	-6.00
on-crest		-1.0		-3.0	-5.0	-0.0
Readback	6.6	-2.3	-10.5	-5.0	-8.9	-7.9

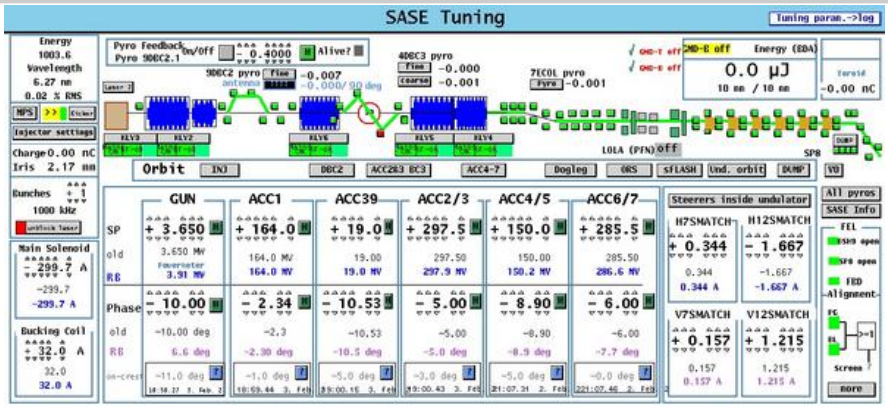
Undulator steerers and aircoils

H7SMATCH	H12SMATCH
+0.344	**-1.667**
V7SMATCH	**V12SMATCH**
+0.157	**-1.667**

Intra-undulator steerers

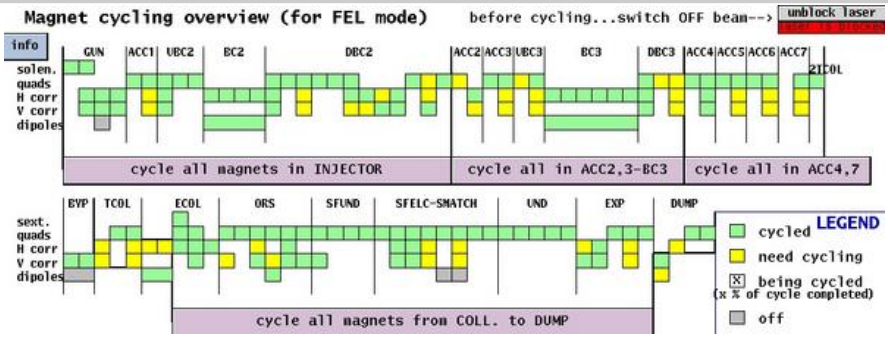
H3UND1	H3UND2	H3UND3	H3UND4	H3UND5	H3UND6
-4.40	**-4.50**	**-4.80**	**-4.70**	**-4.80**	**-1.00**

04.02.2011 23:27 ttflinac **ttflinac@:SASE_tuning**



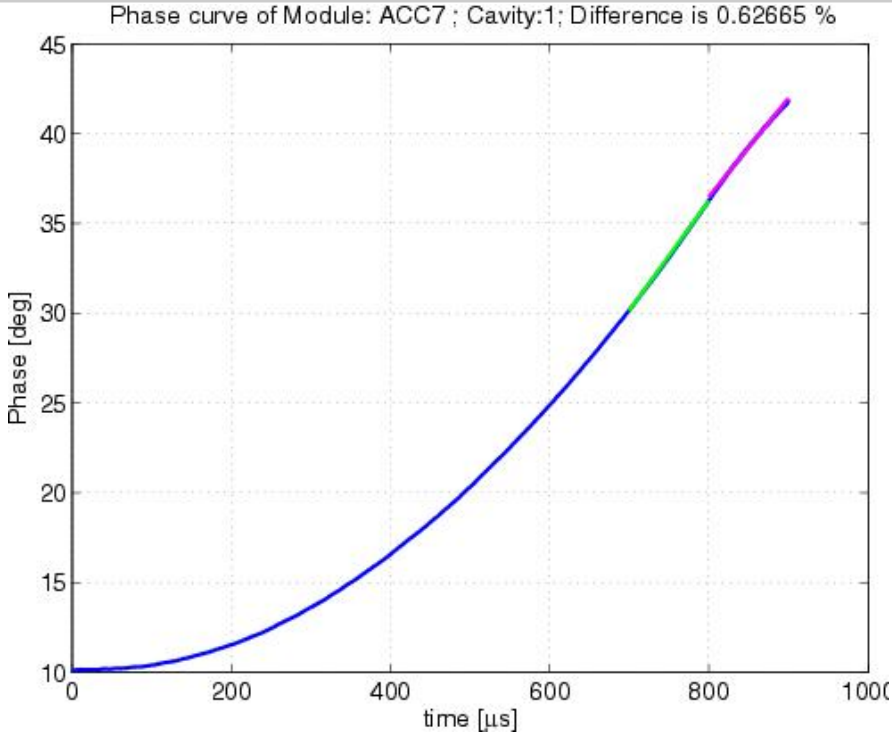
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:27:21-00.JPG

04.02.2011 23:27 ttflinac **ttflinac@:magnet_cycle_overview_fel**



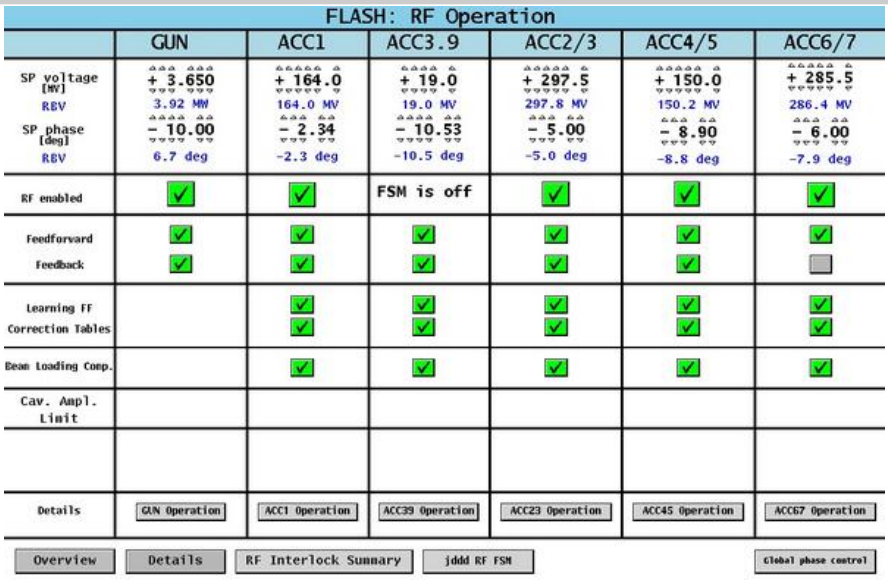
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:27:40-00.JPG

04.02.2011 23:27 ttflinac **tpb1f71d87_0251_45ab_b2f8_94cc8ebebd77.ps**



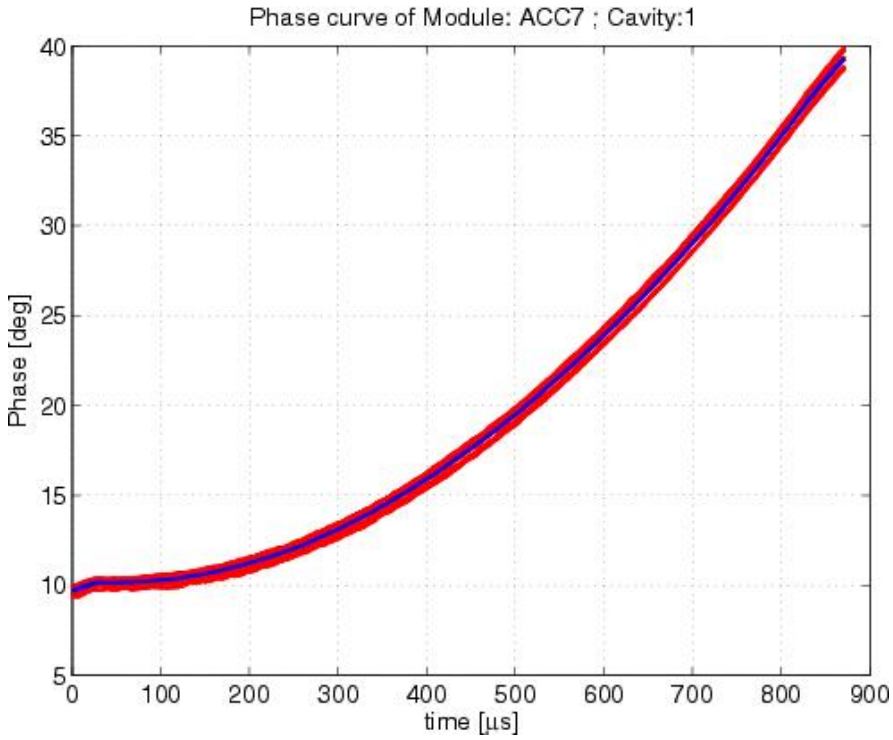
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:27:49-00.ps

04.02.2011 23:27 ttflinac **ttflinac@:RF_OPERATION**



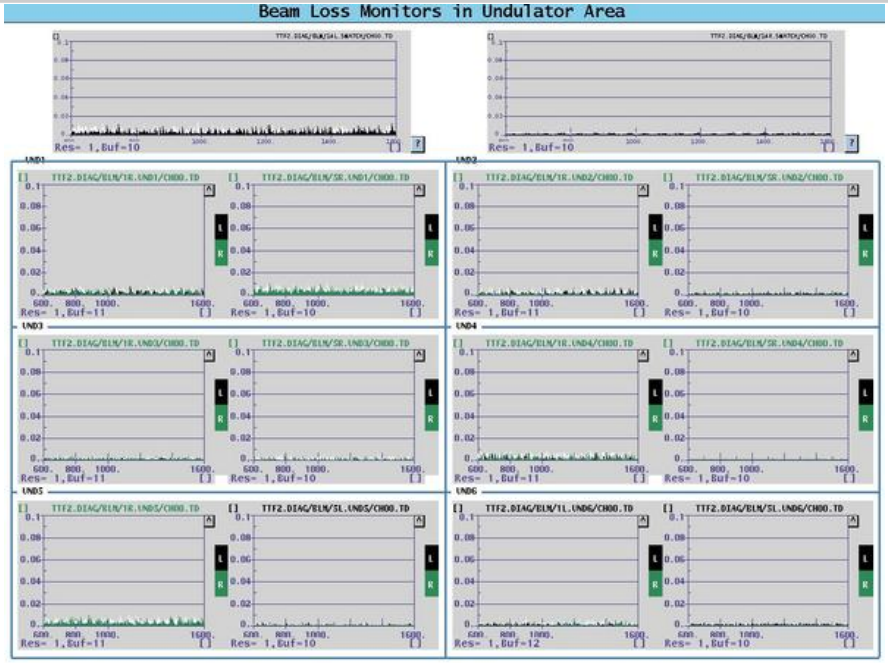
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:27:56-00.JPG

04.02.2011 23:28 ttflinac **tpd36462cc_ec9b_4879_9543_76c65a76c0d2.ps**



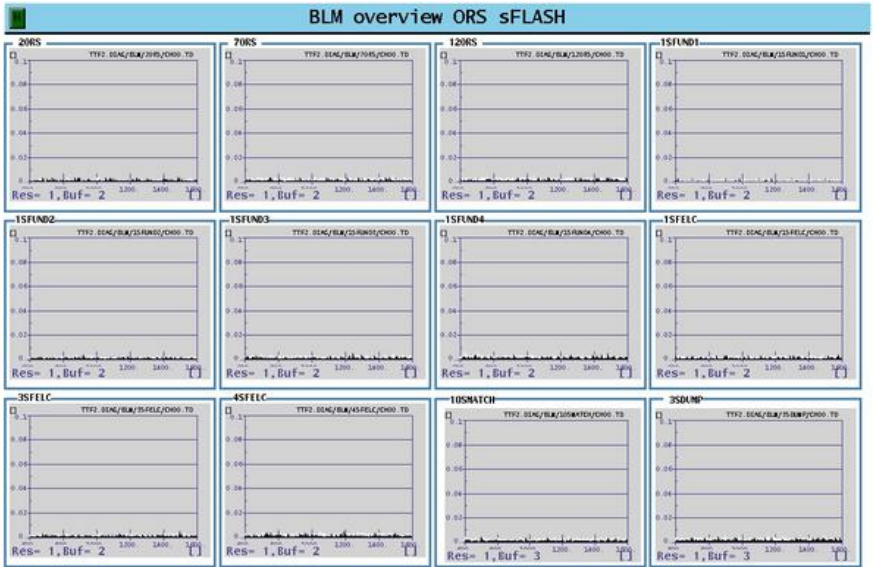
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:28:12-00.ps

04.02.2011	23:28	ttflinac	**ttflinac@:BLM_UNDULATORS**



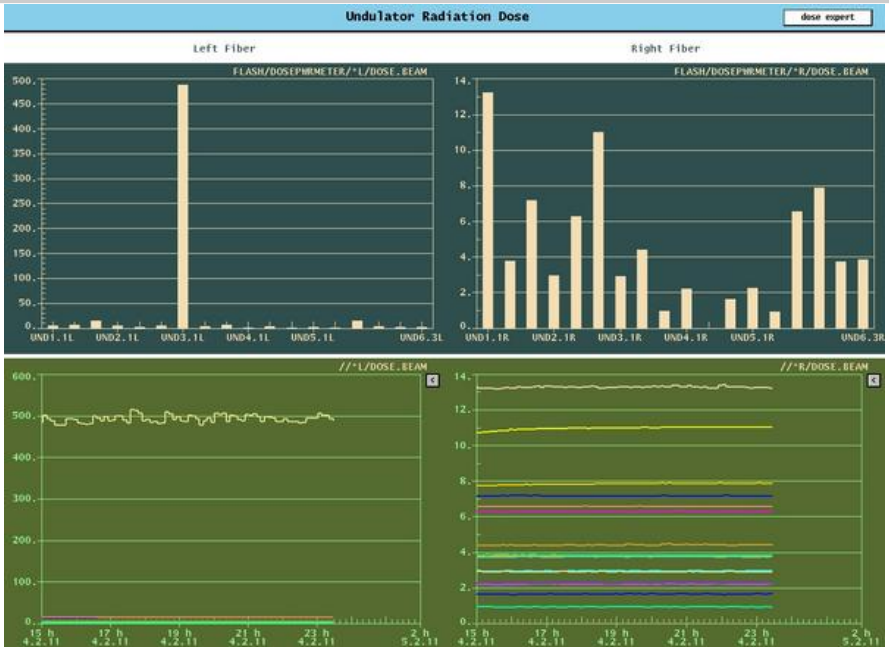
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:28:19-00.JPG

04.02.2011	23:29	ttflinac	**ttflinac@:blm_overview_ORS**



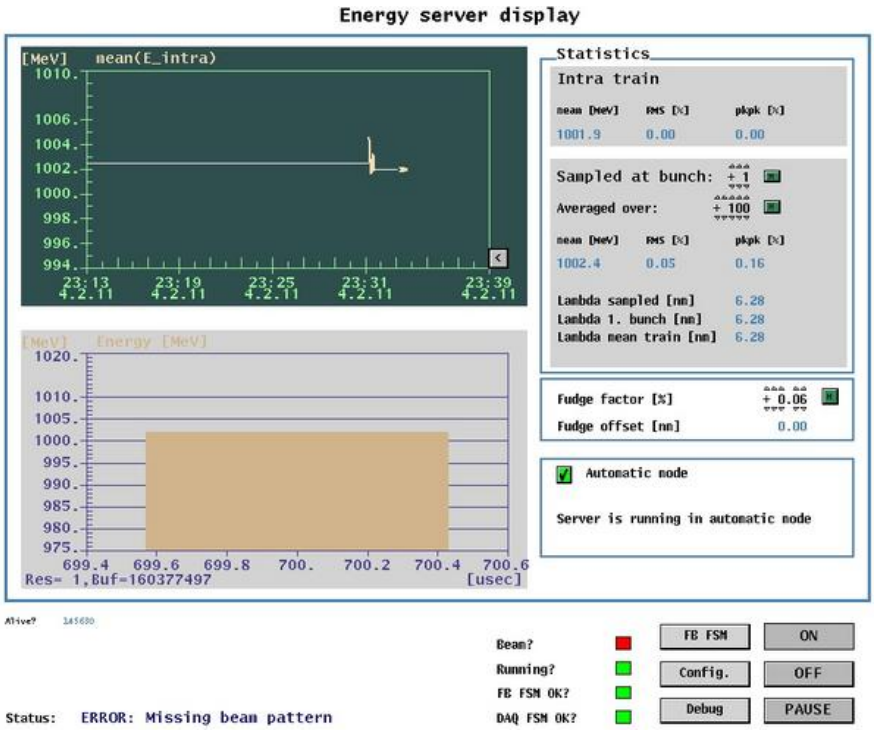
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:29:00-00.JPG

04.02.2011 23:29 ttflinac **ttflinac@:dose_und**



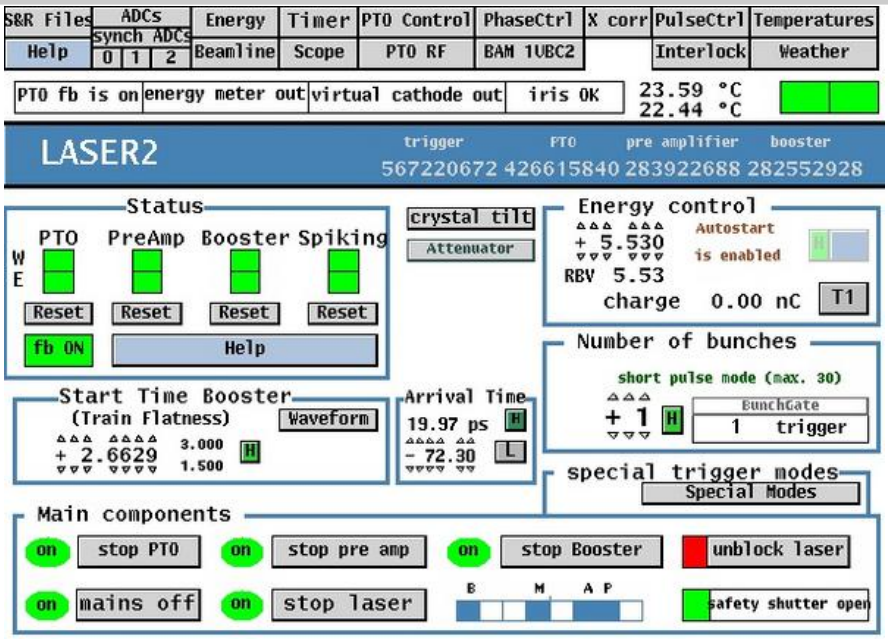
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:29:48-00.JPG

04.02.2011 23:33 ttflinac **ttflinac@:Energyfbm_display**



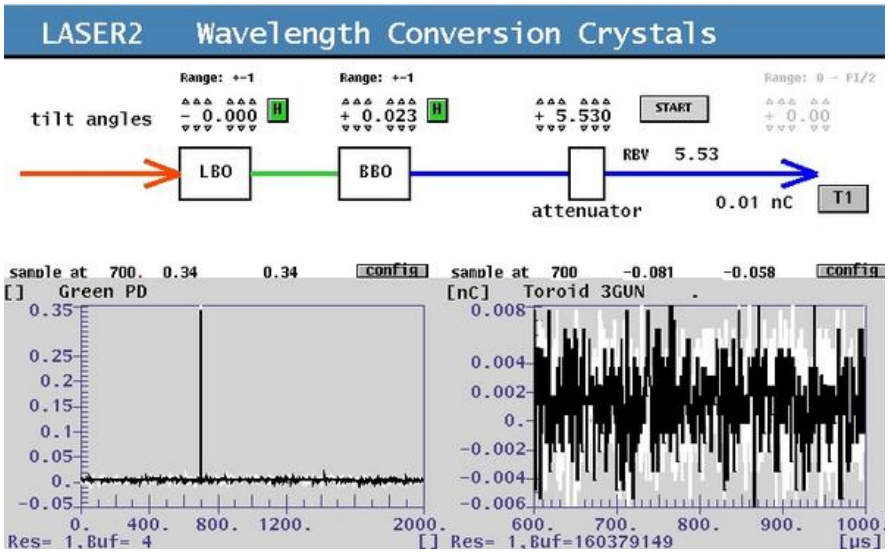
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:33:54-00.JPG

04.02.2011 23:34 ttflinac **ttflinac@:laser2_control**



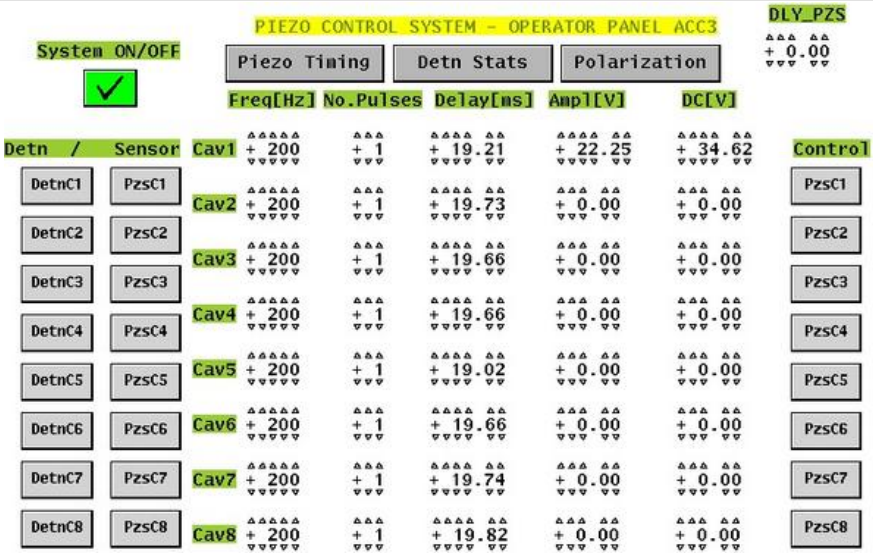
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:34:20-00.JPG

04.02.2011 23:34 ttflinac **ttflinac@:laser_crystal_tuning**



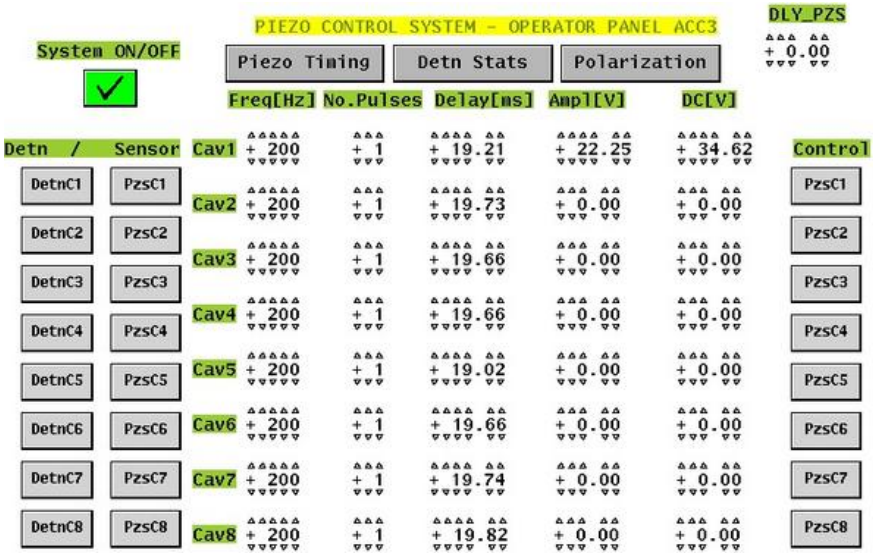
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:34:35-00.JPG

04.02.2011 23:38 ttflinac **ttflinac@:piezo_ctl_acc**



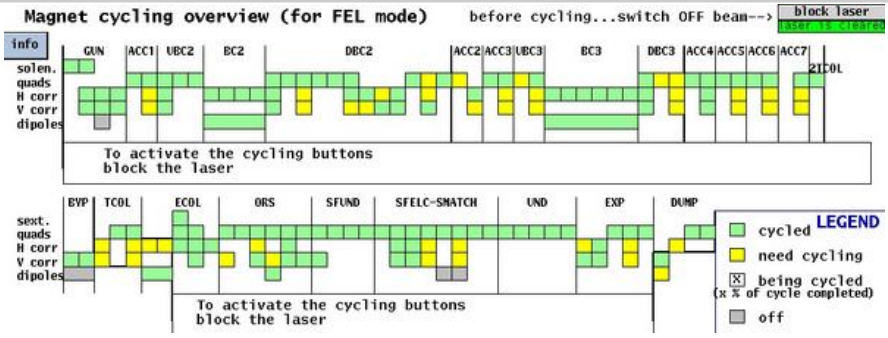
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:38:10-00.JPG

04.02.2011 23:38 ttflinac **ttflinac@:piezo_ctl_acc**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:38:57-00.JPG

04.02.2011 23:43 ttflinac **ttflinac@:magnet_cycle_overview_fel**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:43:49-00.JPG

04.02.2011 23:43 ttflinac **SASE tuning parameters**

Misc. parameters

```
Energy / Wavelength: 1003.12 MeV / 6.3 nm
Charge:              1.16 nC
Main solenoid:       -300.0 A
Bucking coil:        +32.0 A
Dipoles BC2/BC3:     +73.1 A / +56.0 A
```

RF parameters

	GUN	ACC1	ACC39	ACC2/3	ACC4/5	ACC6/7
Power/Gradient	+3.650	+164.00	+19.00	+297.50	+250.00	+298.50
Readback	3.92	164.0	19.0	297.8	250.2	298.7
Phase	-10.00	+2.20	-4.20	-4.00	-8.90	-6.00
on-crest		-1.0		-3.0	-5.0	-0.0
Readback	6.7	2.2	-4.2	-4.1	-9.0	-6.1

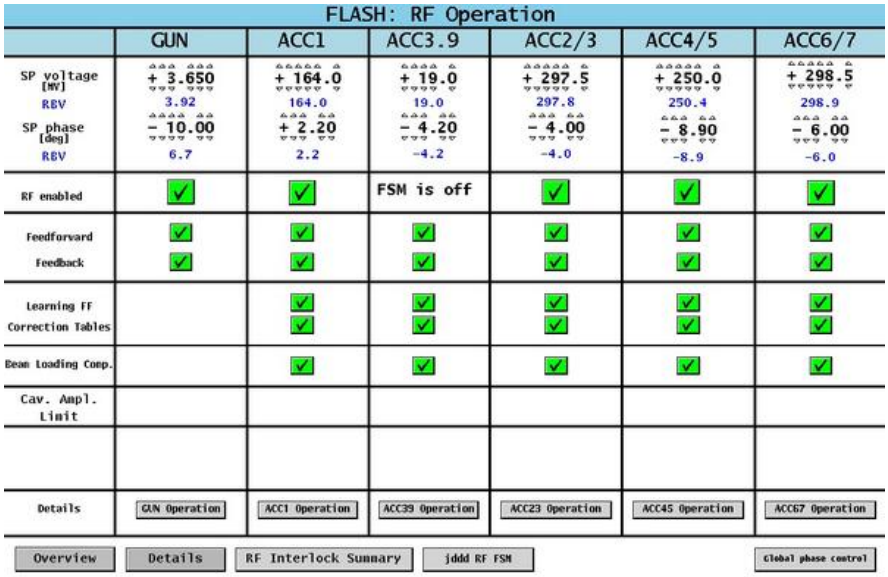
Undulator steerers and aircoils

H7SMATCH	H12SMATCH
+0.344	**-1.667**
V7SMATCH	V12SMATCH
+0.157	**-1.667**

Intra-undulator steerers

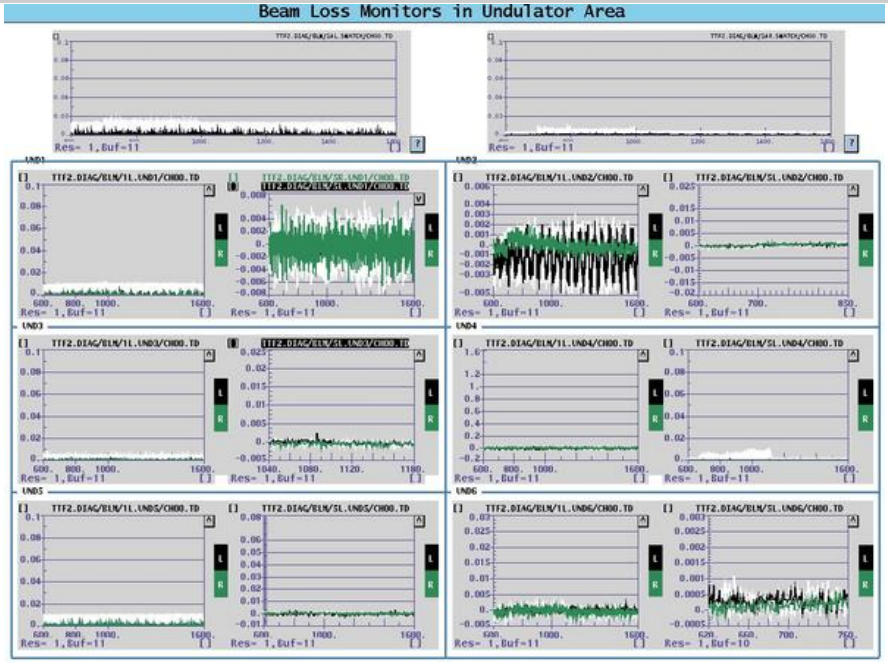
H3UND1	H3UND2	H3UND3	H3UND4	H3UND5	H3UND6
-4.40	**-4.50**	**-4.80**	**-4.70**	**-4.80**	**-1.00**

04.02.2011 23:44 ttflinac **ttflinac@:RF_OPERATION**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:44:01-00.JPG

04.02.2011 23:44 ttflinac **ttflinac@:BLM_UNDULATORS**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:44:09-00.JPG

04.02.2011 23:44 ttflinac **Main linac parameters**

shift documentation

Laser

Number of bunches 400
Bunch frequency ..... 1000 kHz
Macropulse rep'rate .... 10.0 Hz
Pump time_3 ..... 0.0030 ms
Pump current_3 ..... 5.00 V
Pre-amp start time ..... 2.42 ms
Booster start time ..... 2.66 ms
Attenuator SP 5.29
Iris diameter ..... 17184 steps
Iris diameter ..... 2.17 mm

Gun

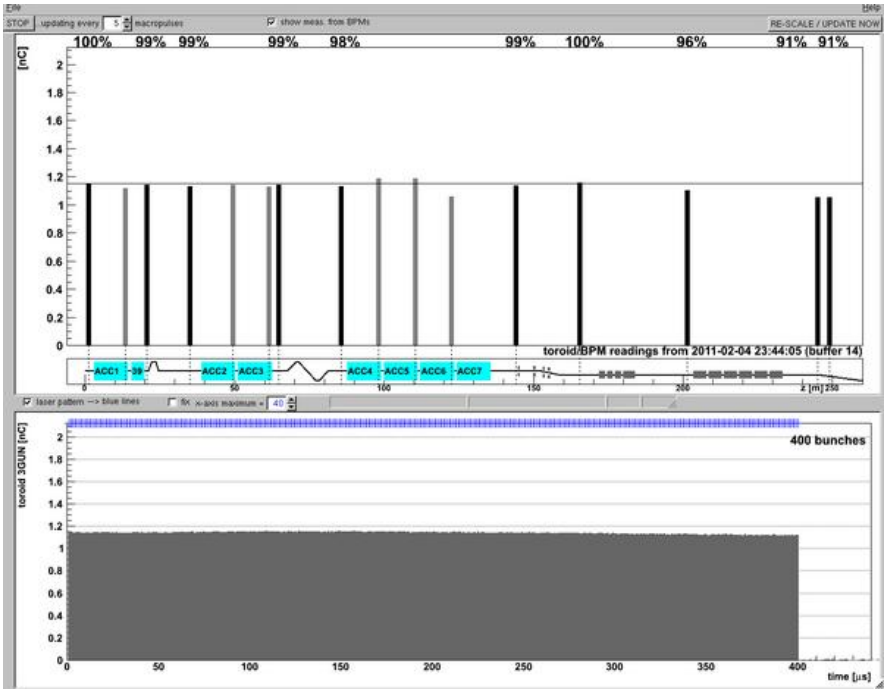
Feedforward/Feedback ... on/on
FSM ..... on
Pfwd SP 3.65
VS ampl. 18.31
Phase SP ..... -10.00 deg
VS phase ..... 6.70 deg
Pfwd (peak) ..... 3.925 MW
Prefl (peak) ..... 2.890 MW
Pfwd sample point 700
Pfwd (at sample point) . 18.330 MW
Prefl sample point 720
Prefl (at sample point) 5.547 MW
Flat top ..... 460 us
Water temperature SP ... 72.75 deg C
Main solenoid (RBV) .... -300.04 A
Bucking coil (RBV) ..... 32.00 A

```
                                                Gun dipole (RBV) ....... 0.000 A
                                                Charge 3GUN(T1) ........ 1.14 nC
                                                DC kicker delay ........ 6.80 ms
                                                DC kicker HV ........... not local
                                                DC kicker HV ........... disabled
                                                DC kicker HV ........... off
                                                DC kicker SP ........... 60.00 V
                                                DC kicker start ........ 124.00 ns
ACC1                                            ACC39
Feedforward/Feedback ... on/on                  Feedforward/Feedback ... on/on
Feedback gain .......... 2.0                    Feedback gain .......... 10.0
Pfwd SP ................ 164.00               Pfwd SP ................ 19.00
Pfwd RBV ............... 164.03               Phase SP ............... -4.20 deg
Phase SP ............... 2.20 deg             Pfwd C1.ACC39 .......... <error>
Phase RBV .............. 2.27 deg             Flat top ............... 800 us
Pfwd C1.ACC1 ........... 188.4 kW
Pfwd C5.ACC1 ........... 179.4 kW
Flat top ............... 800 us
Dipole BC2 (RBV) ....... 73.11 A
Pyro 9DBC2.1 ........... -0.0273 V
Radiator 9DBC2 ......... out
Slow phase feedback .... off
Slow ph. FB target/gain  -0.400/-0.1
Slow ph. FB pyrodet.used Pyro 9DBC2.1 (fine, old ADC)
ACC2/3                                          ACC4/5
Feedforward/Feedback ... on/on                  Feedforward/Feedback ... on/on
Feedback gain .......... 2.0                    Feedback gain .......... 40.0
Pfwd SP ................ 297.50               Pfwd SP ................ 250.00
Pfwd RBV ............... 297.87               Pfwd RBV ............... 250.16
Phase SP ............... -4.00 deg            Phase SP ............... -8.90 deg
Phase RBV .............. -4.02 deg            Phase RBV .............. -8.93 deg
Pfwd C5.ACC2 ........... 125.79 kW            Pfwd C1.ACC4 ........... 139.51 kW
Pfwd C1.ACC3 ........... 218.56 kW            Pfwd C2.ACC5 ........... 114.28 kW
Flat top ............... 450 us               Pfwd C1.ACC6 ........... 0.61 kW
Dipole BC3 (RBV) ....... 56.00 A               Flat top ............... 800 us
Pyro 4DBC3.1 ........... -0.0067 V
Pyro 4DBC3.3 ........... 0.0014 V
Radiator 4DBC3 ......... out
ACC6/7                                          Bypass
Feedforward/Feedback ... on/on                  Dipole D1BYP (RBV) ..... 0.00 A
Feedback gain .......... 50.0                   Energy bypass .......... 1211.4 MeV
Pfwd SP ................ 298.50               RF vector sum ALL ...... 686.5 MeV
Pfwd RBV ............... 298.74               Charge 16BYP ........... -0.00 nC
Phase SP ............... -6.00 deg
Phase RBV .............. -6.02 deg
Pfwd C1.ACC6 ........... 184.08 kW
Pfwd C1.ACC7 ........... 206.85 kW
Flat top ............... 800 us
Collimator                                      Undulator
Dipole D1ECOL (RBV) .... 176.89 A              1SFUND1 gap RBV ........ 220.0 mm
Energy dogleg .......... 1003.0 MeV            1SFUND2 gap RBV ........ 220.0 mm
Charge 7ORS ............ 1.15 nC              1SFUND3 gap RBV ........ 220.0 mm
                                                1SFUND4 gap RBV ........ 180.0 mm
Dump                                            Feedbacks
Dipole D9SMATCH (RBV) .. 0.00 A                Charge feedback gain ... <error>
Dipole D1DUMP (RBV) .... 0.00 A                Charge feedback SP ..... <error>
Dipole D6DUMP (RBV) .... 213.10 A              PTO feedback ........... on
Rotator RD13DUMP (RBV) . 9.13 A
Charge 9DUMP ........... 1.05 nC
Photon beamline
Aperture 1 ............ 10 mm
Offset h/v ............ 0/-1 mm
Aperture 2 ............ 10 mm
Offset h/v ............ 1/0 mm
```

```
Status saved in machine file 2011-02-04T23_43_46+01
Orbit reference for the root tool saved in /home/ttflinac/measurements/xy_jitter/2011-02-04T234346
```

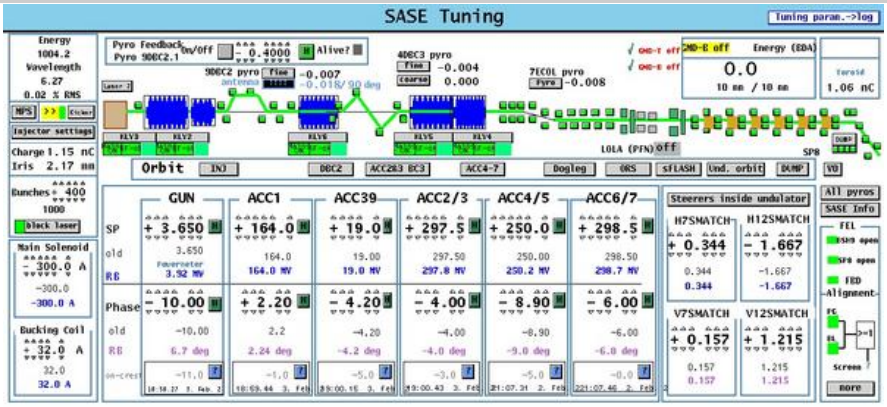
```
also in 'save and restore' files:
Magnets saved to: /home/ttflinac/save_restore/Magnets/autosaved/all_Magnets_20110204T234346.sr
uMovers saved to: /home/ttflinac/save_restore/Micromovers/autosaved/uMovers_20110204T234346.sr
from computer: flashbkr4.desy.de
```

04.02.2011 23:44 ttflinac **toroid charge readings**



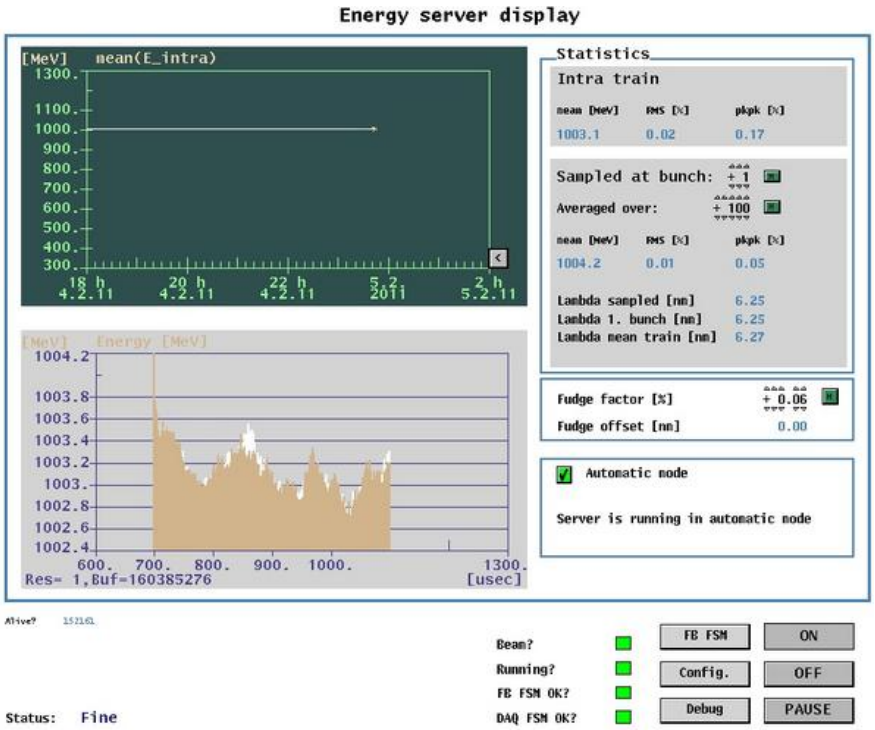
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:44:30-00.ps

04.02.2011 23:44 ttflinac **ttflinac@:SASE_tuning**



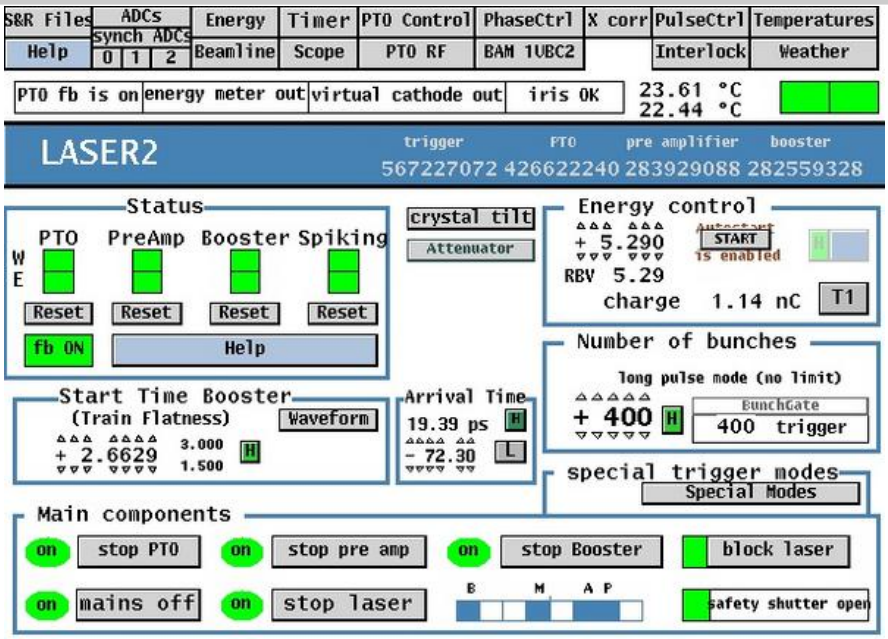
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:44:56-00.JPG

04.02.2011 23:45 ttflinac **ttflinac@:Energyfbm_display**



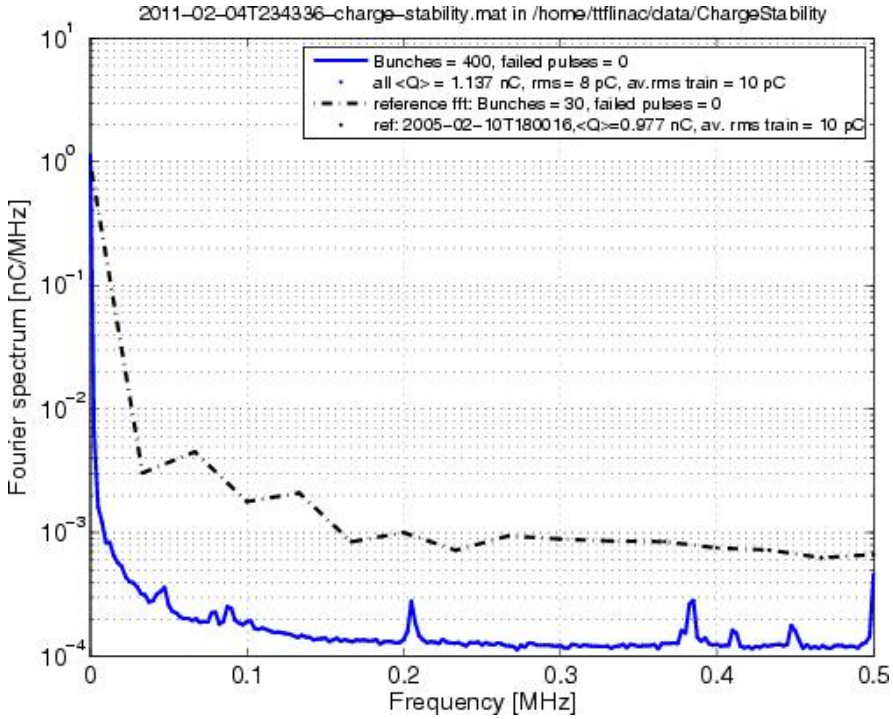
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:45:04-00.JPG

04.02.2011 23:45 ttflinac **ttflinac@:laser2_control**



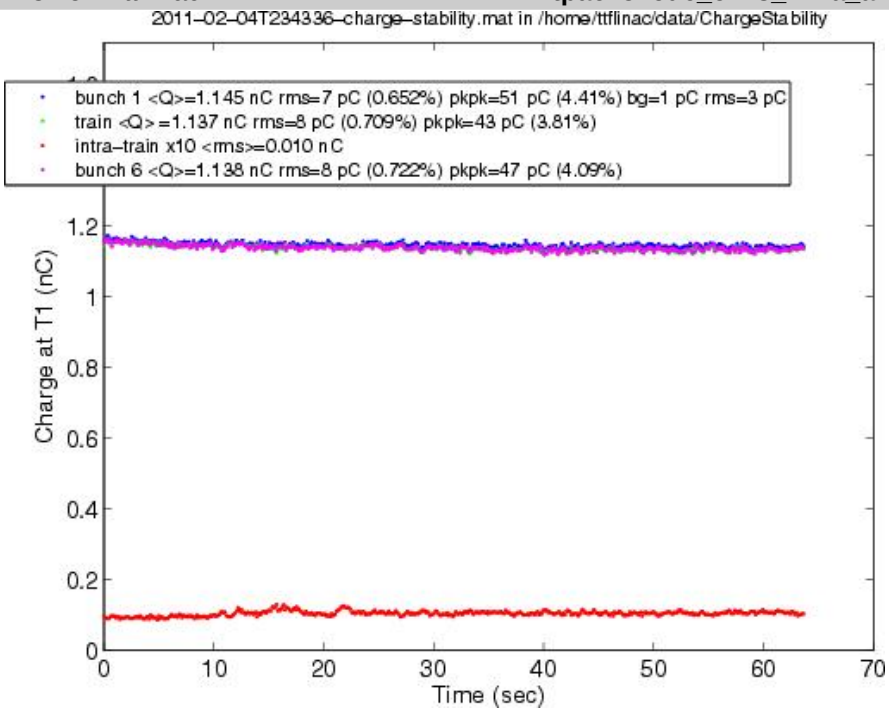
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:45:12-00.JPG

04.02.2011 23:45 ttflinac **tp96fdc997_d78a_4a43_aa09_ad8d43d83e71.ps**



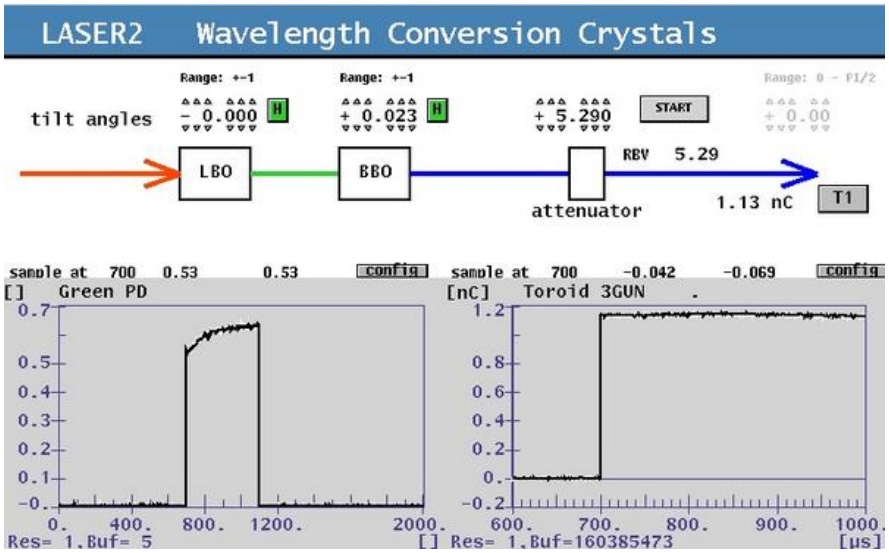
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:45:19-00.ps

04.02.2011 23:45 ttflinac **tpa6457cd6_e218_412a_a1e3_ea62cd1f5213.ps**



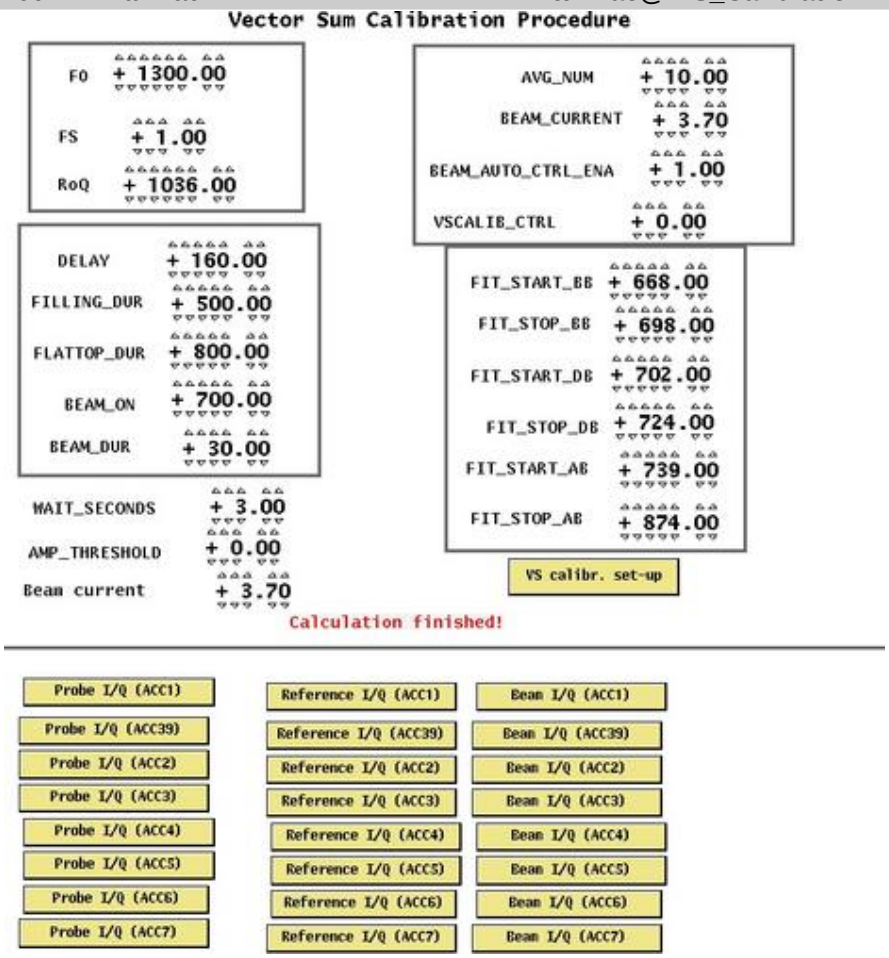
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:45:26-00.ps

04.02.2011 23:45 ttflinac **ttflinac@:laser_crystal_tuning**



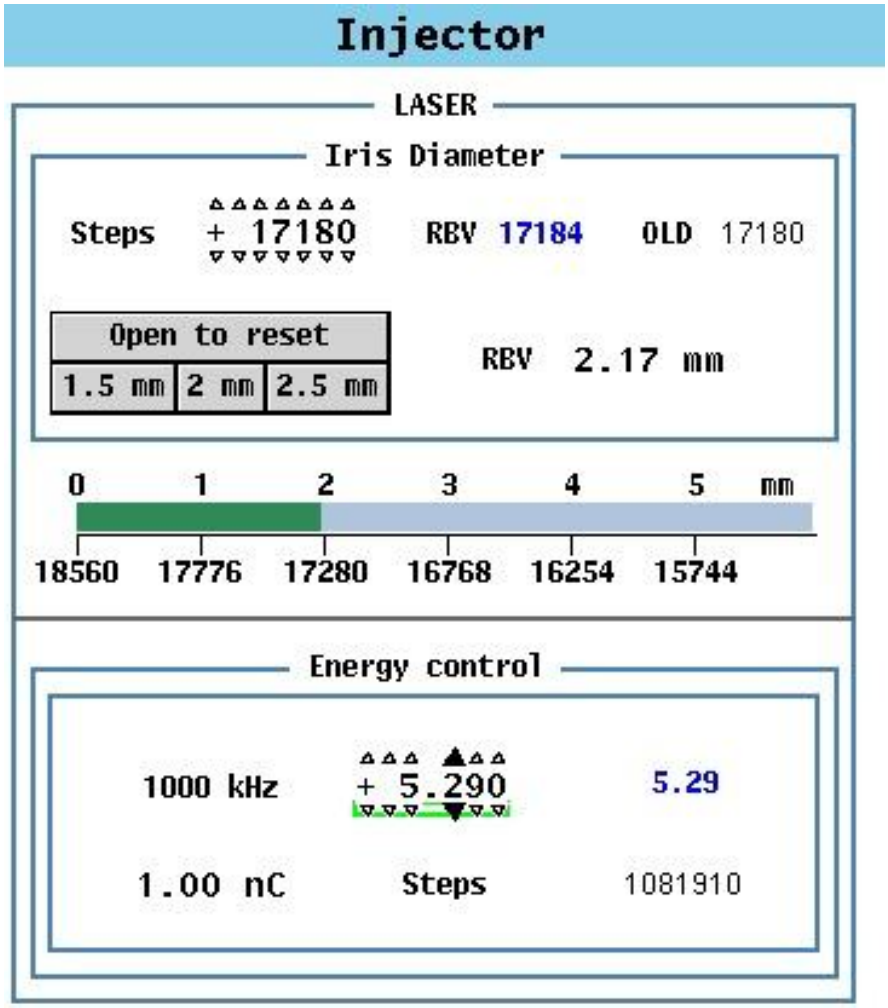
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-04T23:45:33-00.JPG

05.02.2011 00:14 ttflinac **ttflinac@:VS_Calibration**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T00:14:28-00.JPG

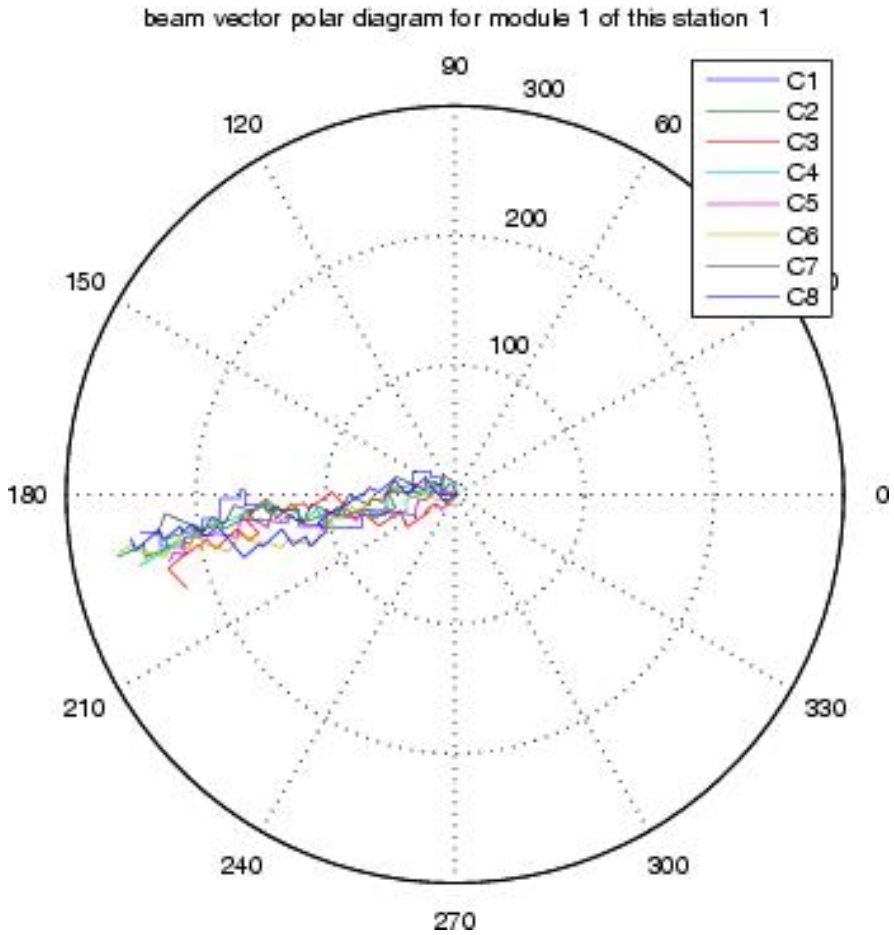
05.02.2011 00:41 ttflinac **ttflinac@:SASE_tuning_inj**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T00:41:53-00.JPG

05.02.2011	00:49	Ayvazyan, CSchmidt, G.Cancelo, J.Branlard	**ACC6 vector-sum calibration**

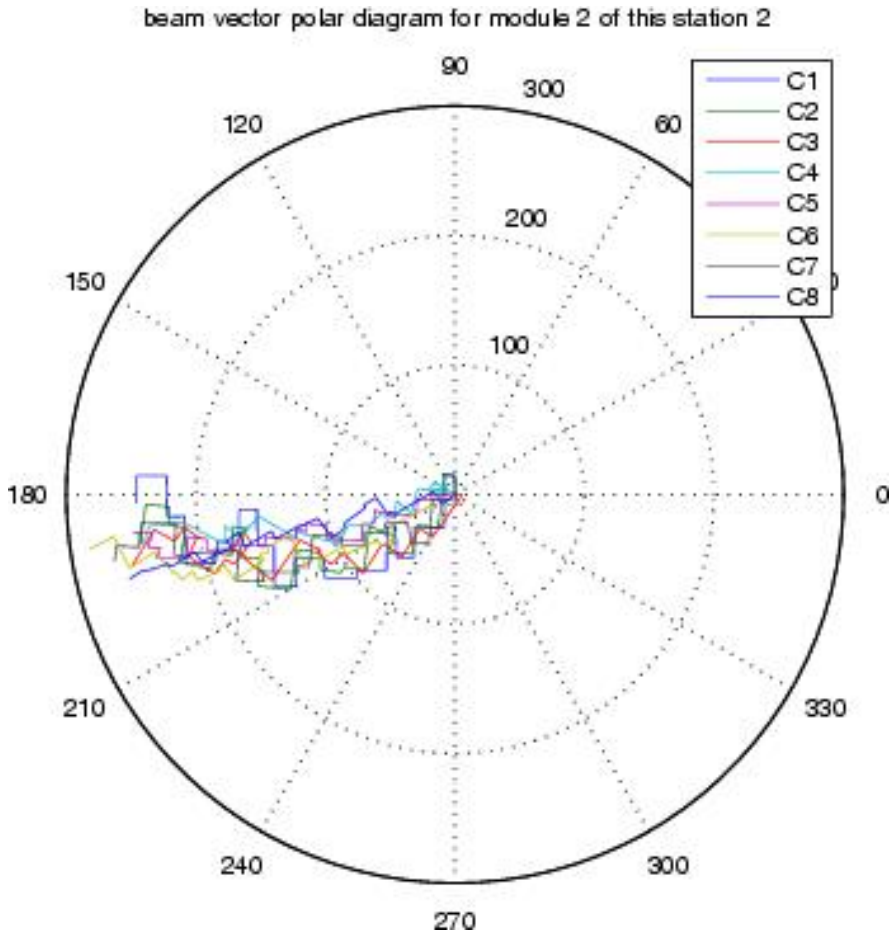
ACC6 vector-sum calibration with 100 bunches 1.6nC. No changes observed from last calibrations
We will stay with calibration setting which was done January 26, 2011.
http://ttfinfo.desy.de/TTFelog/show.jsp?dir=/2011/04/26.01_M&pos=2011-01-26T10:00:52



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T00:49:10-00.ps

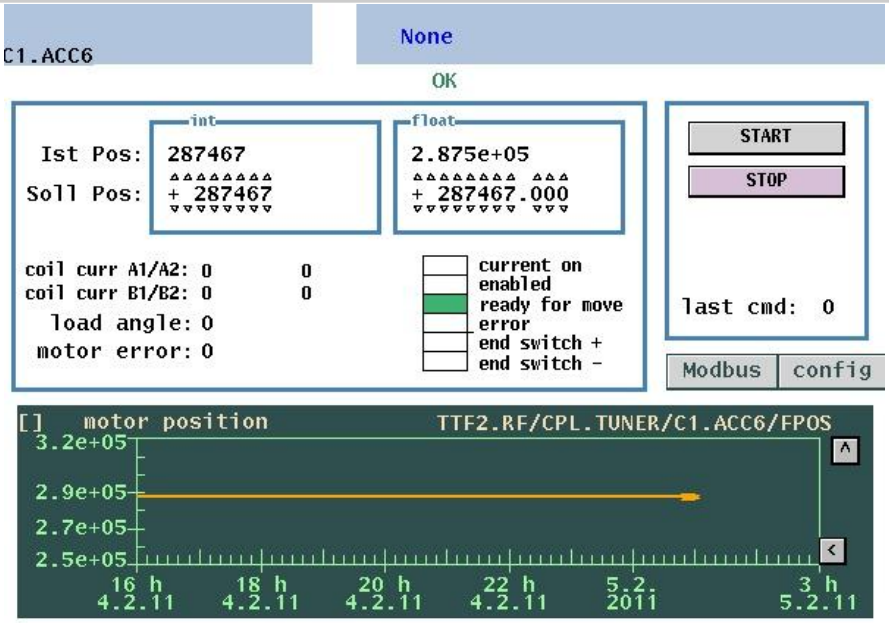
05.02.2011 01:00 ttflinac **ACC7 vector-sum calibration**

```
ACC7 vector-sum calibration with 100 bunches and 1.6nC.
```



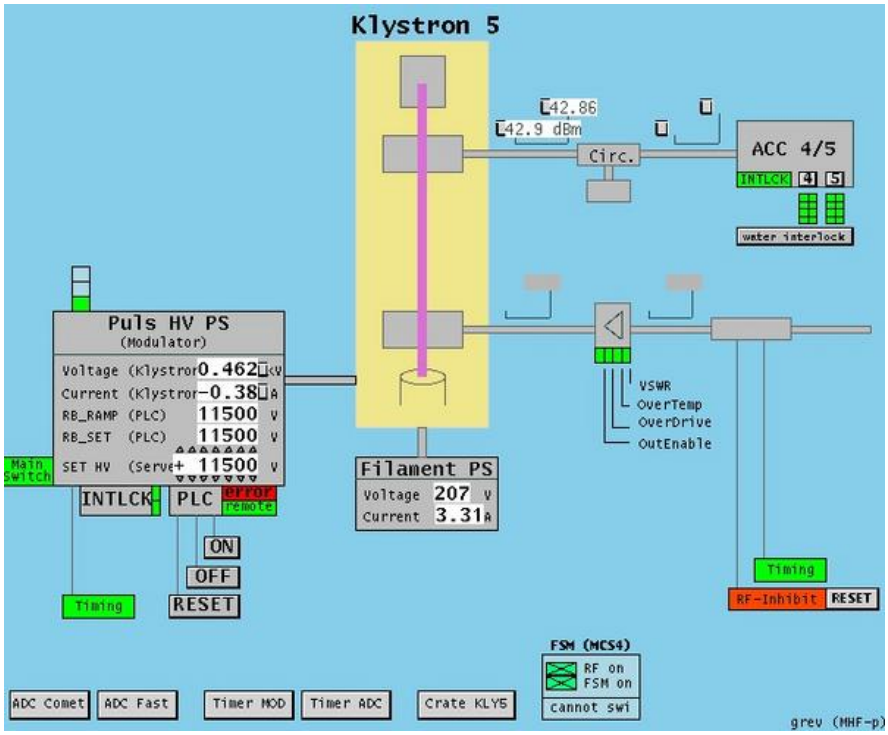
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T01:00:50-00.ps

05.02.2011 01:03 ttflinac **ttflinac@:Tuner_KL2531_sec**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T01:03:25-00.JPG

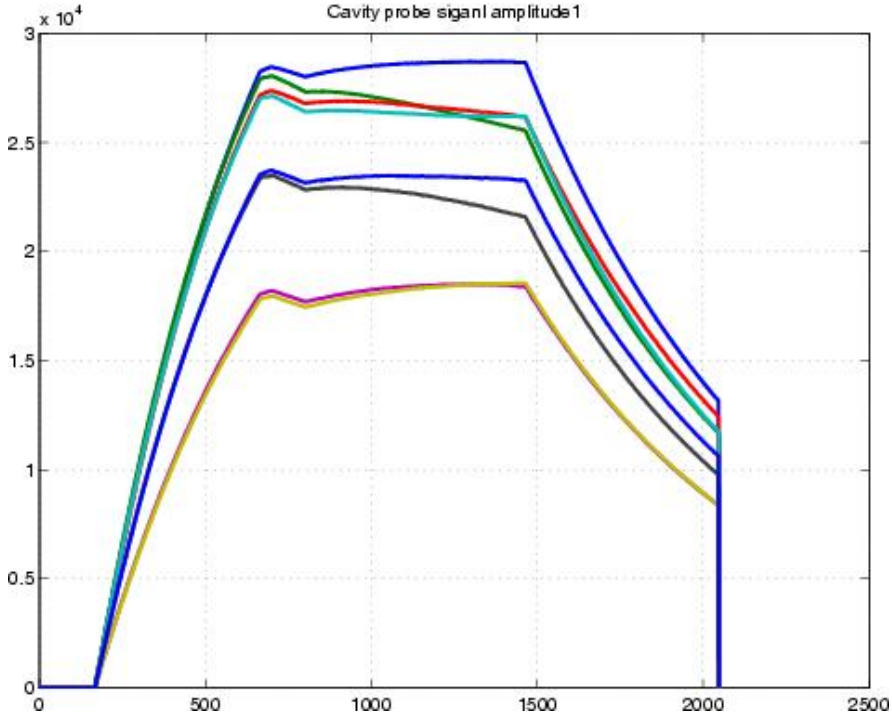
05.02.2011 01:32 doocsadm **doocsadm@flashbkr4.desy.de:kly0_5**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T01:32:43-00.JPG

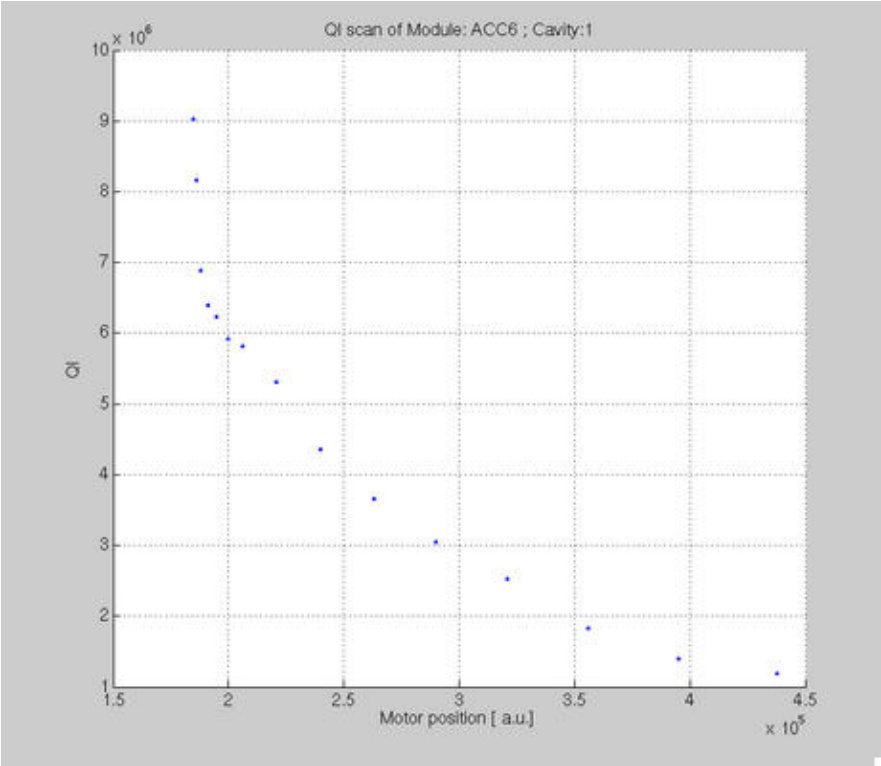
05.02.2011 02:05 ttflinac **ACC6 beam transients**

ACC6 beam transients with 100 bunches 1.6nC



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T02:05:33-00.ps

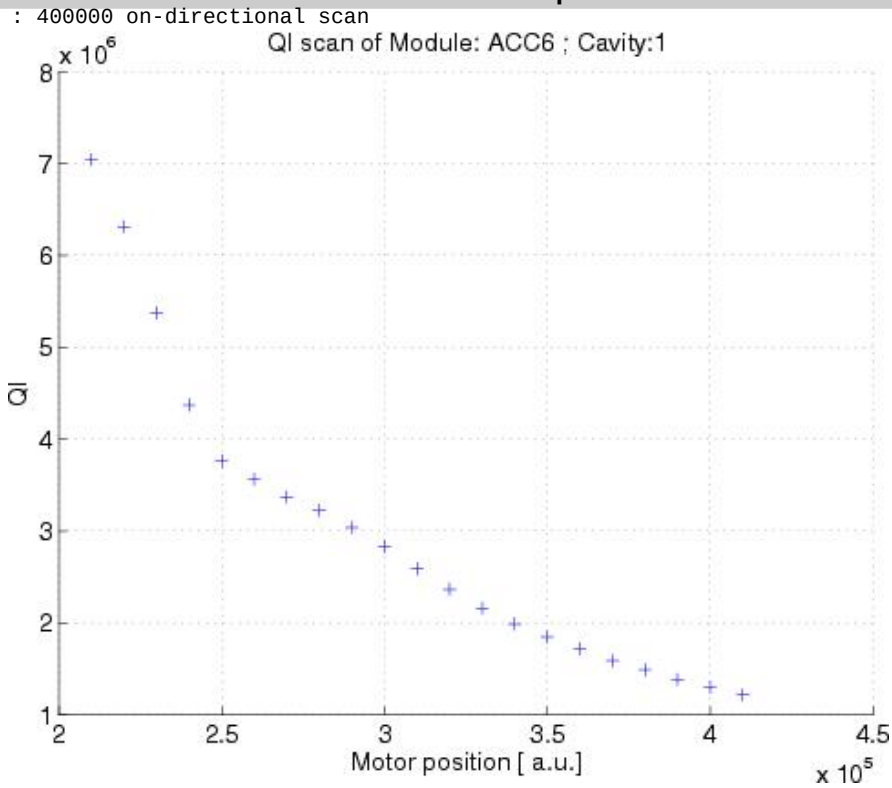
05.02.2011 02:13



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T02:13:13-00.png

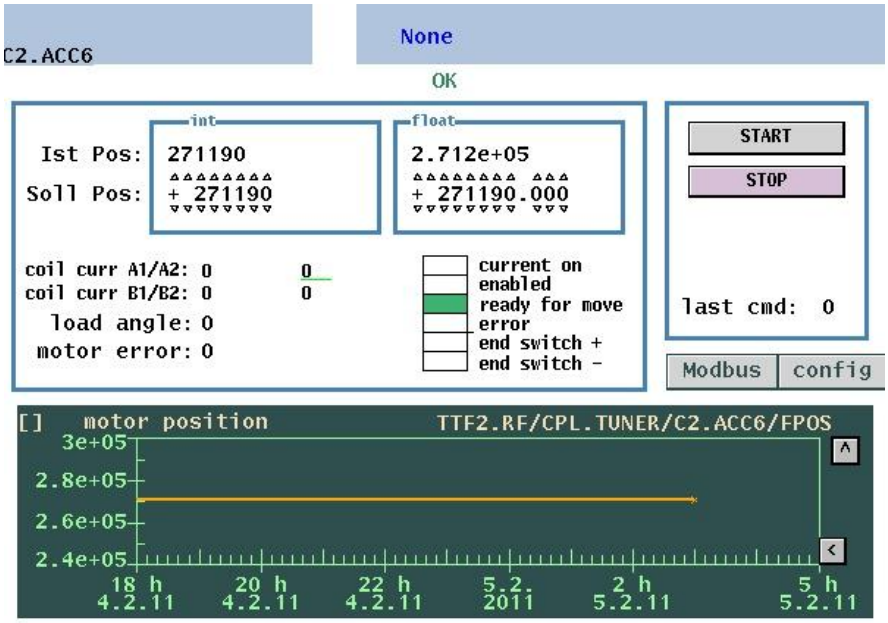
05.02.2011	02:56	Ayvazyan, CSchmidt, G.Cancelo, J.Branlard	**Ql measurement by scanning coupler position**

```
2000000 : 10000 : 400000 on-directional scan
```



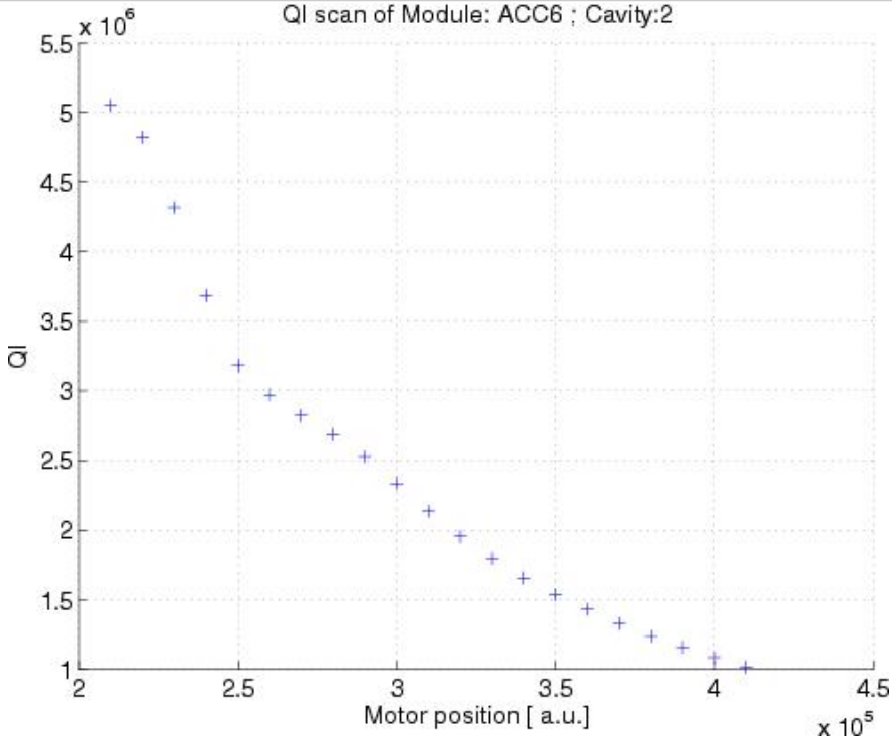
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T02:56:41-00.ps

05.02.2011	02:59	doocsadm	**doocsadm@flashbkr4.desy.de:Tuner_KL2531_sec**



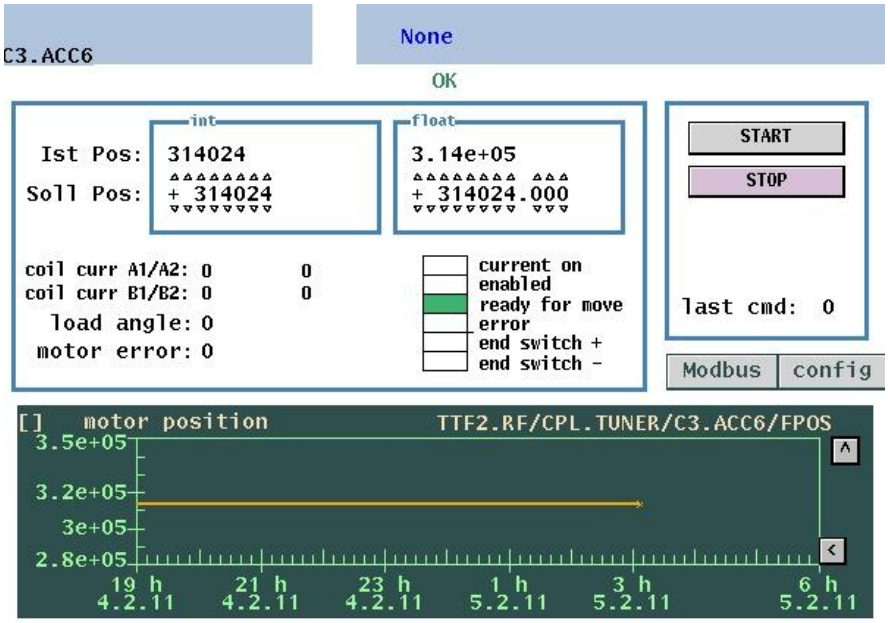
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T02:59:47-00.JPG

05.02.2011 03:06 doocsadm **tp17da2847_b405_4829_9704_8984134e32c2.ps**



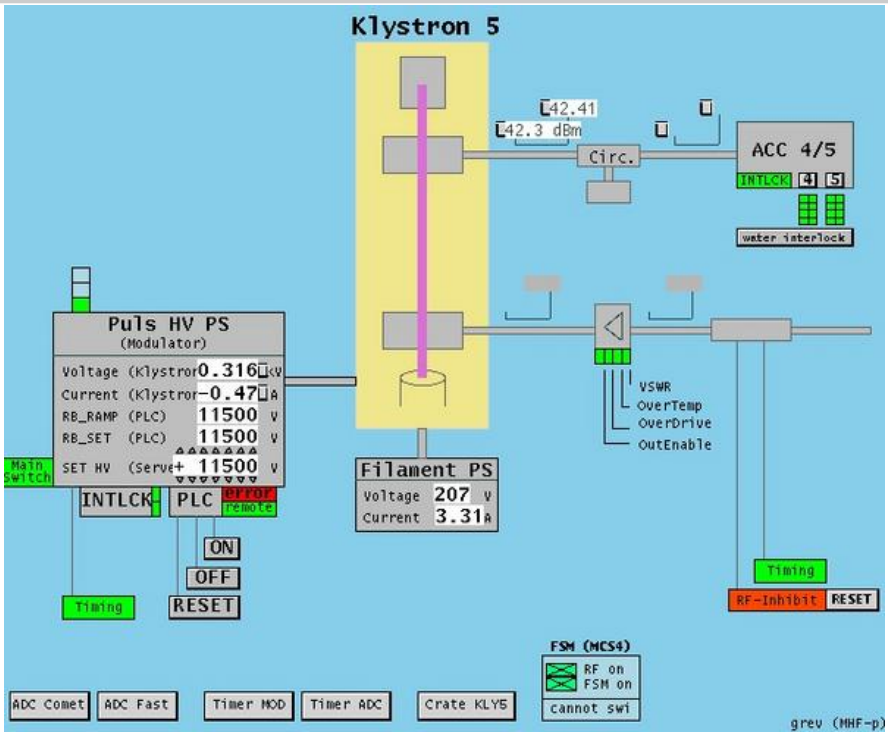
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:06:35-00.ps

05.02.2011 03:07 doocsadm **doocsadm@flashbkr4.desy.de:Tuner_KL2531_sec**



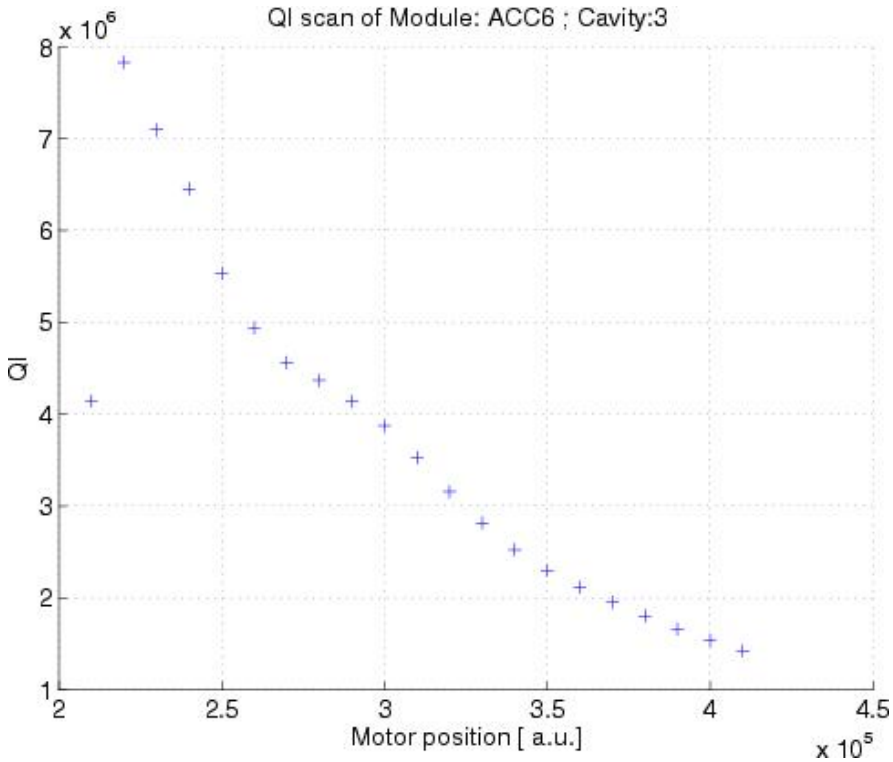
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:07:19-00.JPG

05.02.2011 03:09 ttflinac **ttflinac@:kly0_5**



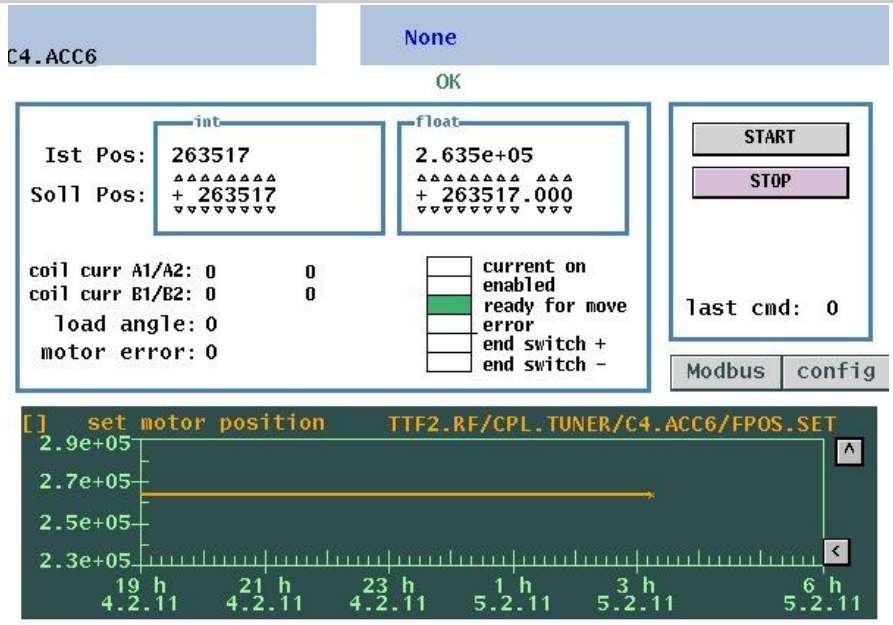
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:09:04-00.JPG

05.02.2011 03:14 doocsadm **tp998e0cb5_9a4f_4a89_a428_6795139fec2c.ps**



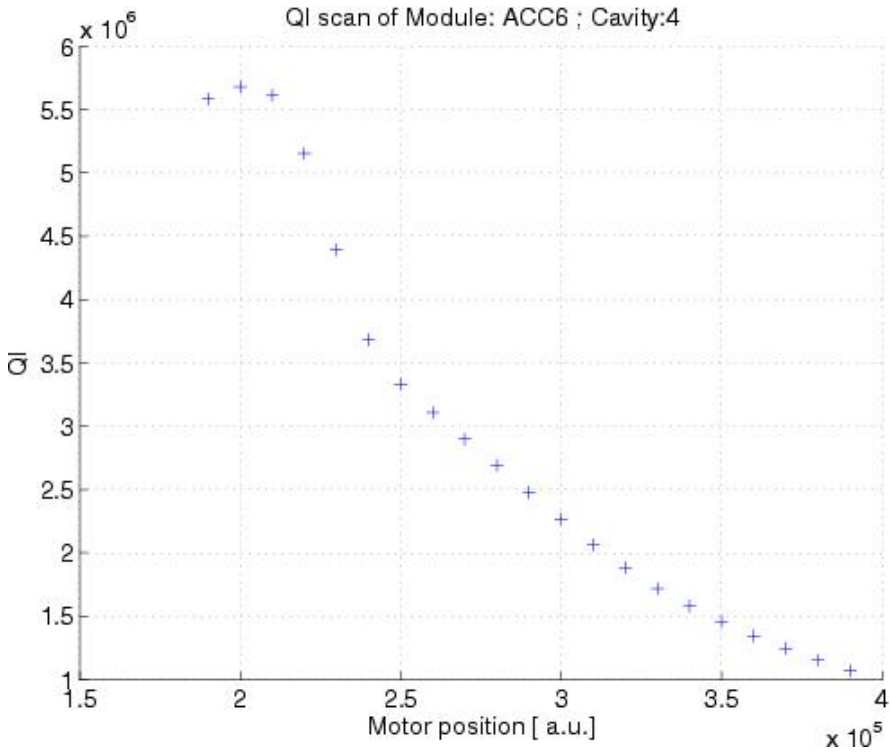
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:14:08-00.ps

05.02.2011 03:15 doocsadm **doocsadm@flashbkr4.desy.de:Tuner_KL2531_sec**



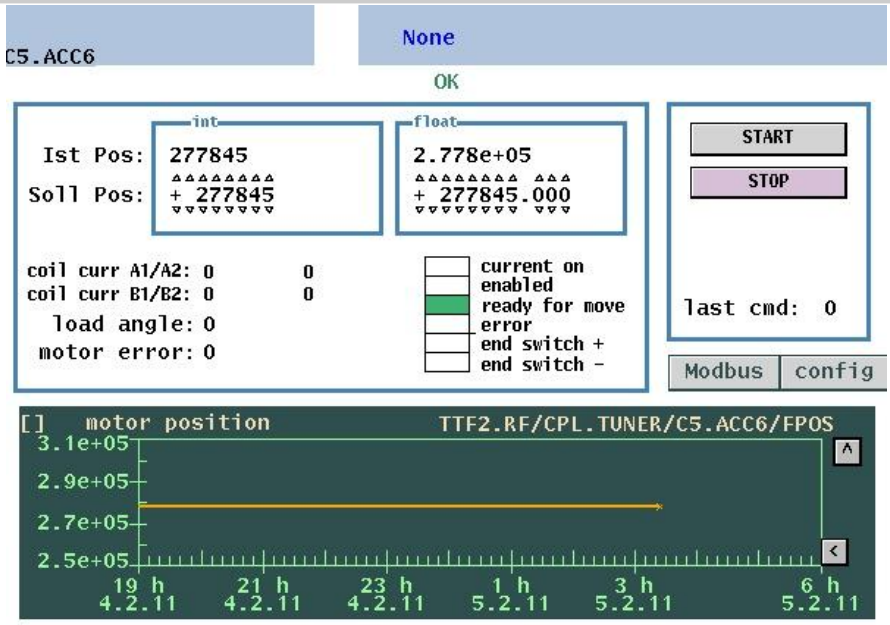
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:15:04-00.JPG

05.02.2011 03:22 doocsadm **tp539cebe5_8f14_414d_aaab_808a7f7bbf5e.ps**



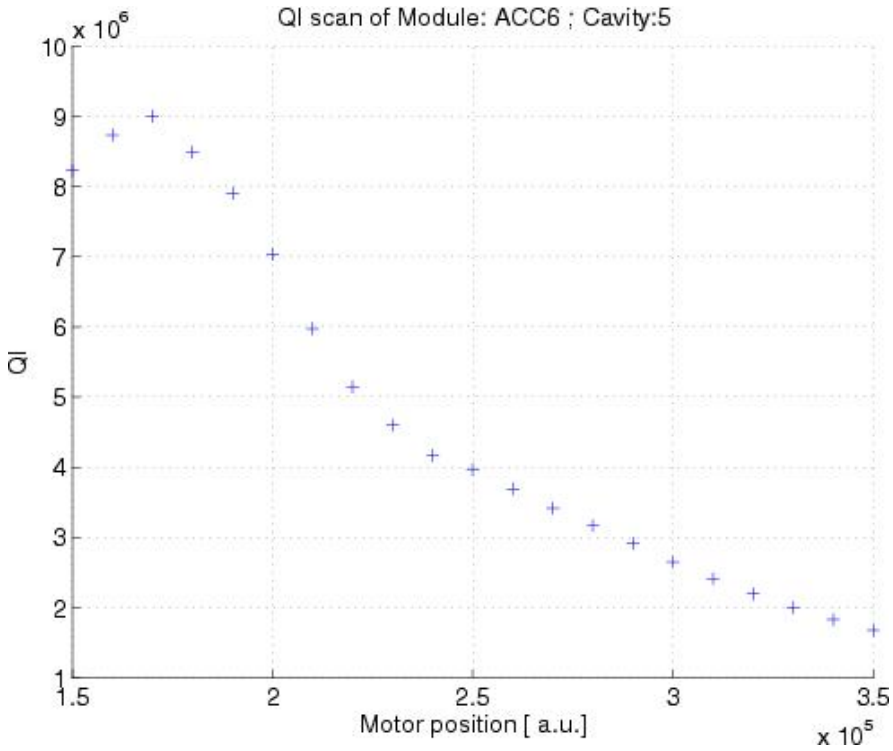
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:22:47-00.ps

05.02.2011 03:24 doocsadm **doocsadm@flashbkr4.desy.de:Tuner_KL2531_sec**



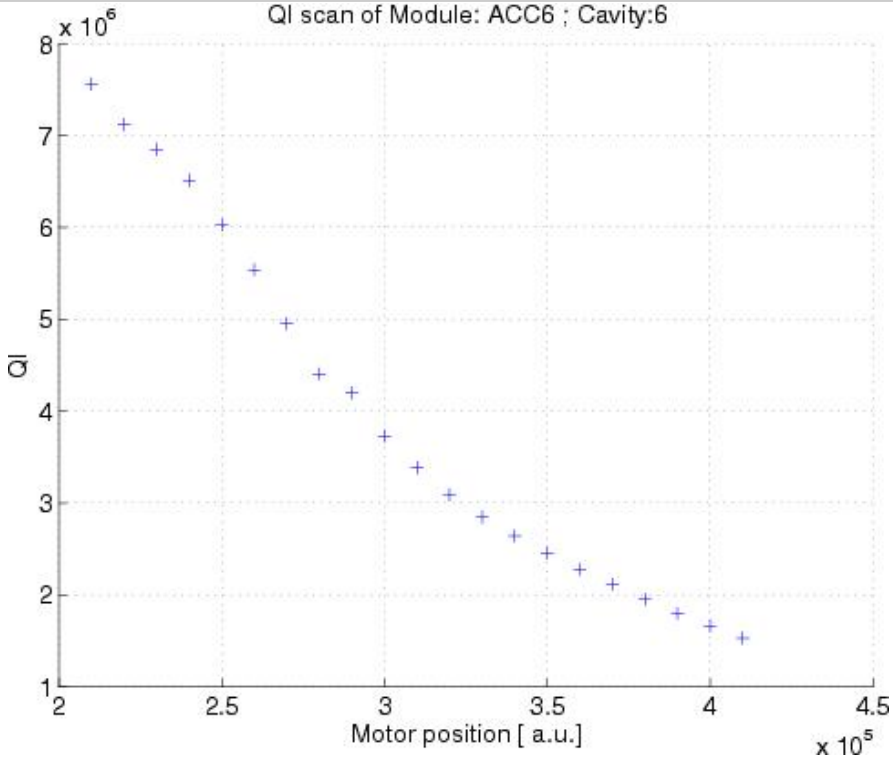
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:24:29-00.JPG

05.02.2011 03:31 doocsadm **tp7e3f2fa9_390c_4732_90eb_d269d897e315.ps**



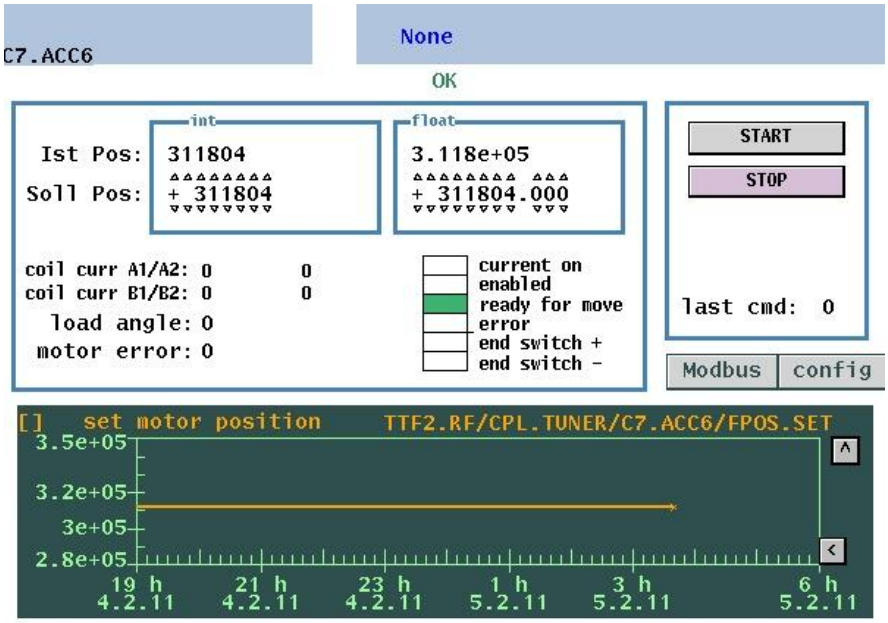
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:31:42-00.ps

05.02.2011 03:40 doocsadm **tp2e78539d_12e1_4985_93ba_6a5356e4afee.ps**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:40:20-00.ps

05.02.2011 03:40 doocsadm **doocsadm@flashbkr4.desy.de:Tuner_KL2531_sec**



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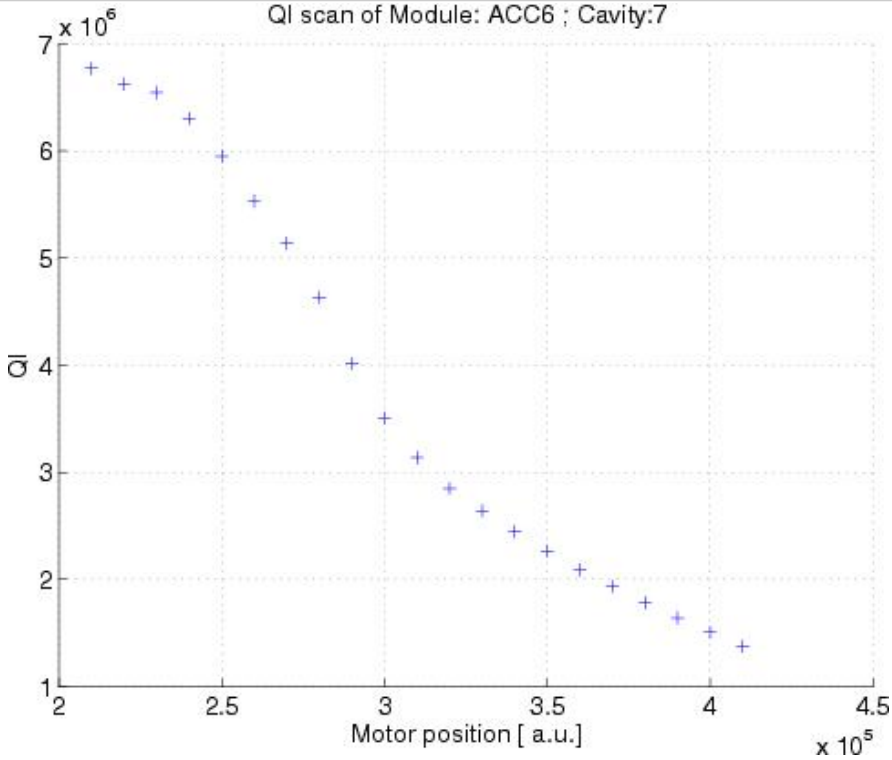
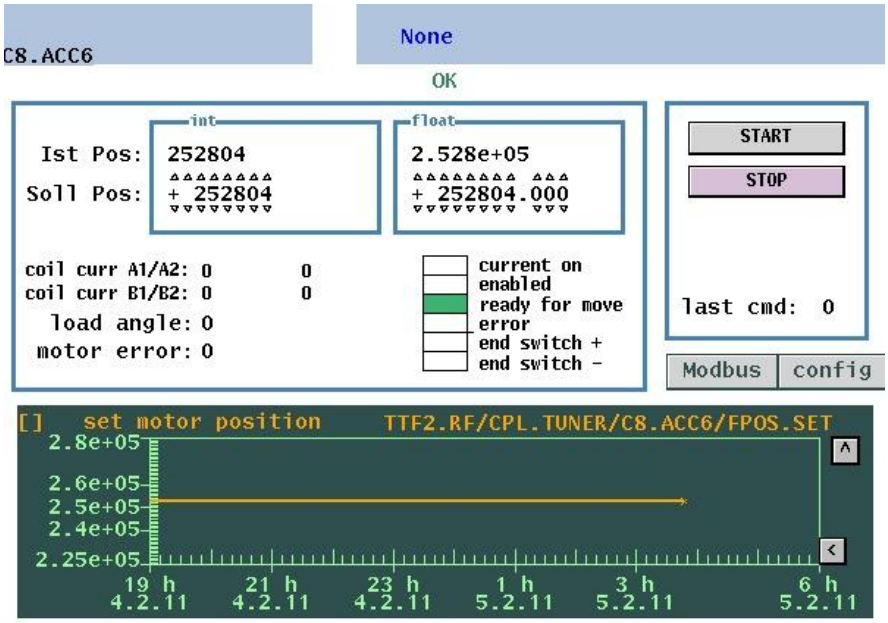
05.02.2011 03:47 doocsadm **tp44595ee3_d9c4_4d0d_96b4_46903e7c49e0.ps**



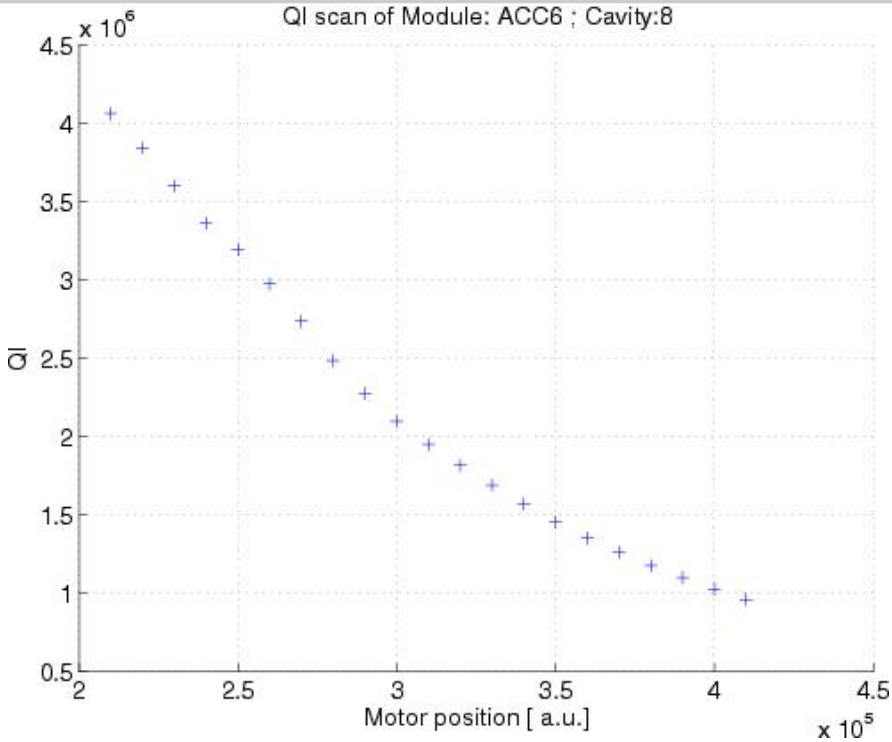
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:47:07-00.ps

05.02.2011 03:47 doocsadm **doocsadm@flashbkr4.desy.de:Tuner_KL2531_sec**



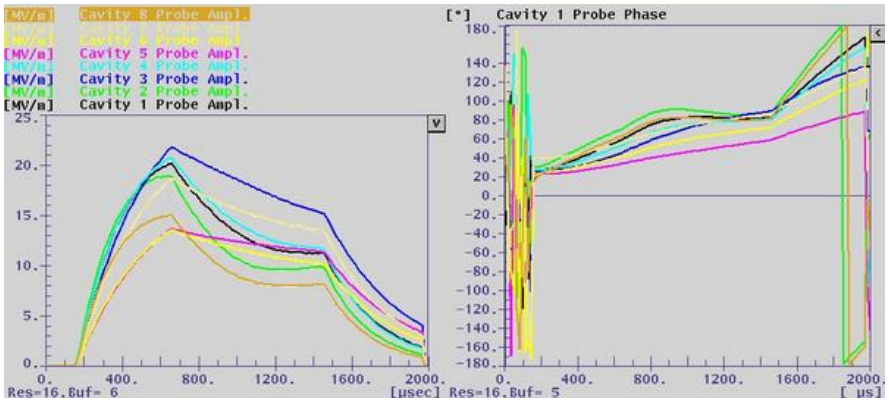
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:47:47-00.JPG

05.02.2011 03:53 doocsadm **tp90523dcf_0498_437a_a909_2f1c70f3e15b.ps**



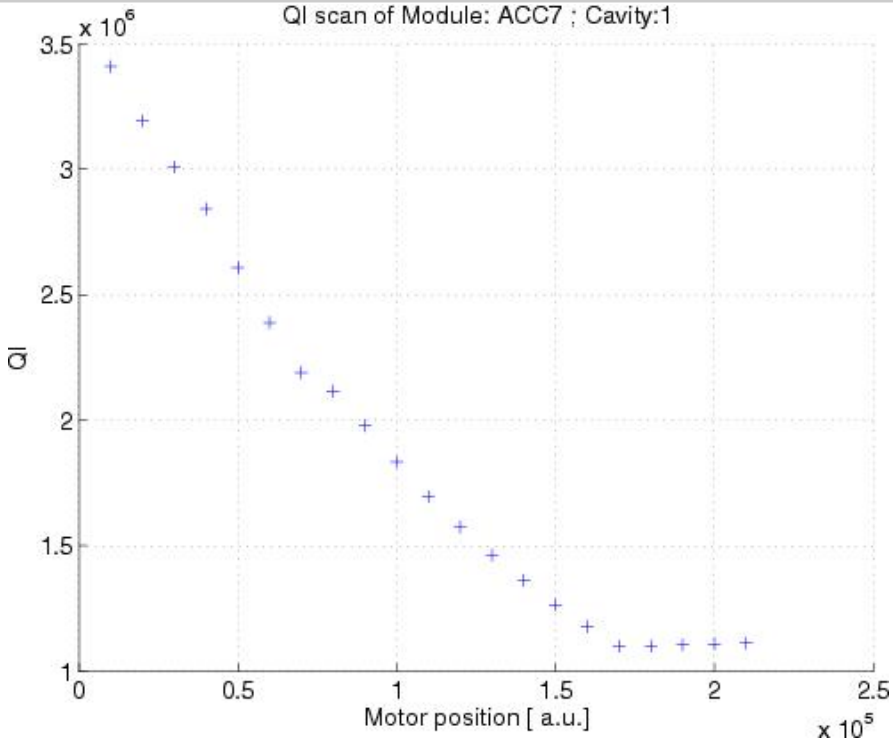
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:53:55-00.ps

05.02.2011 03:54 ttflinac **ACC6 after coupler scan**



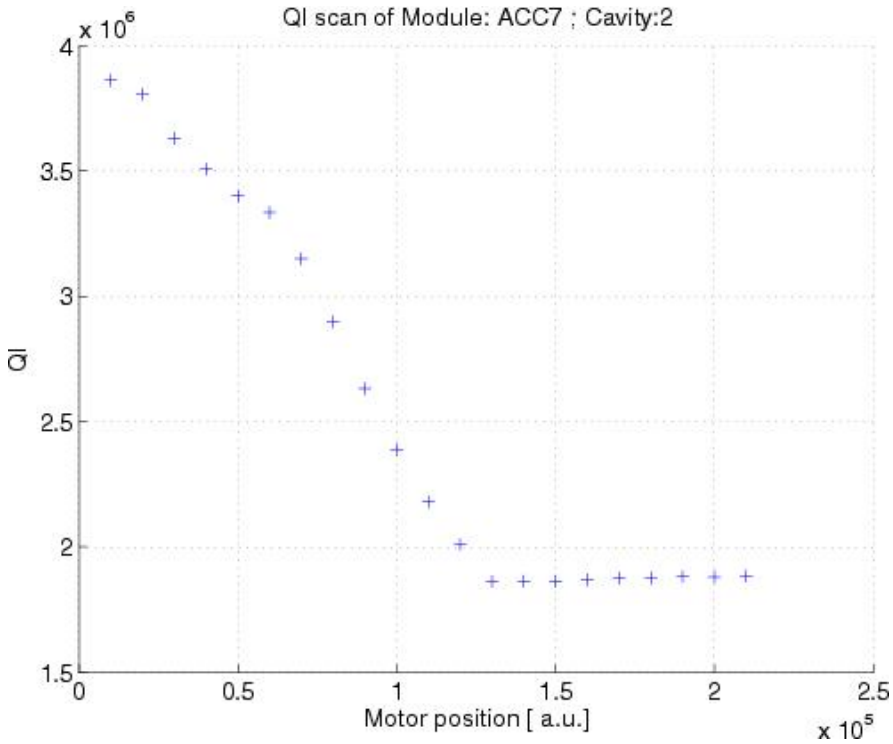
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T03:54:11-00.JPG

05.02.2011 04:13 doocsadm **tp9520fe63_f79c_4d28_b466_a7157ebc64bd.ps**



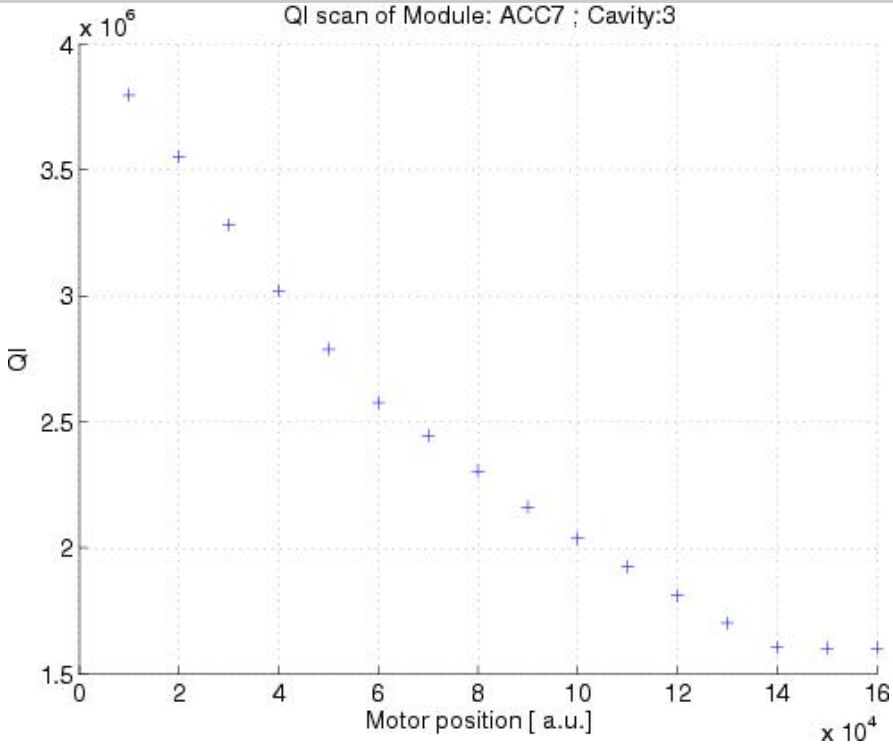
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T04:13:36-00.ps

05.02.2011 04:19 doocsadm **tp3c408e05_e5a7_4b7d_9b23_9f1f92fa68d5.ps**



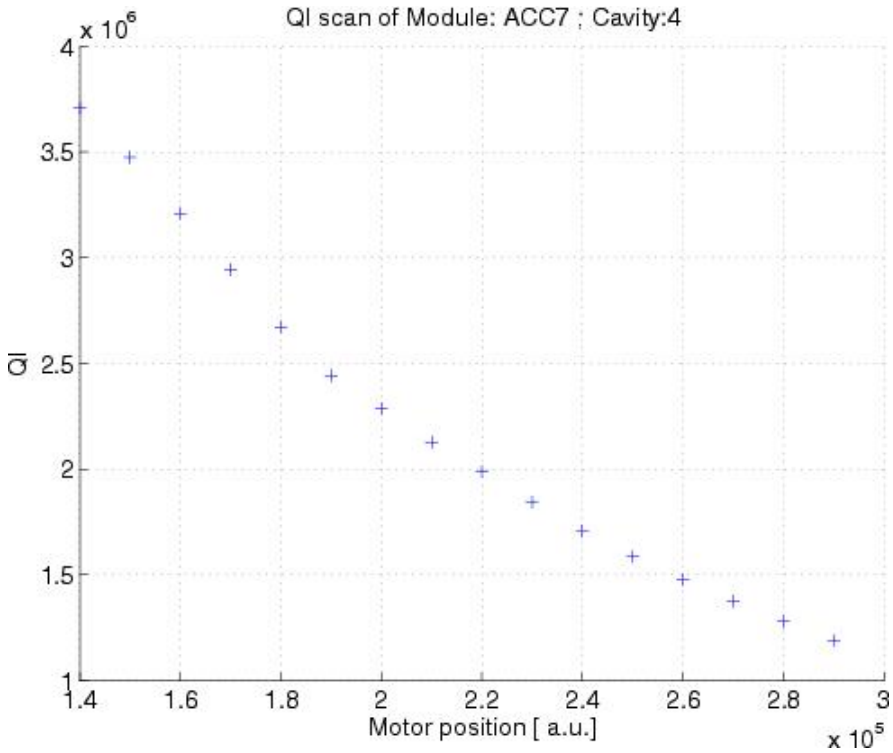
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T04:19:32-00.ps

05.02.2011 04:23 doocsadm **tp092d5d05_732d_4c93_b35a_9969e6912c4d.ps**



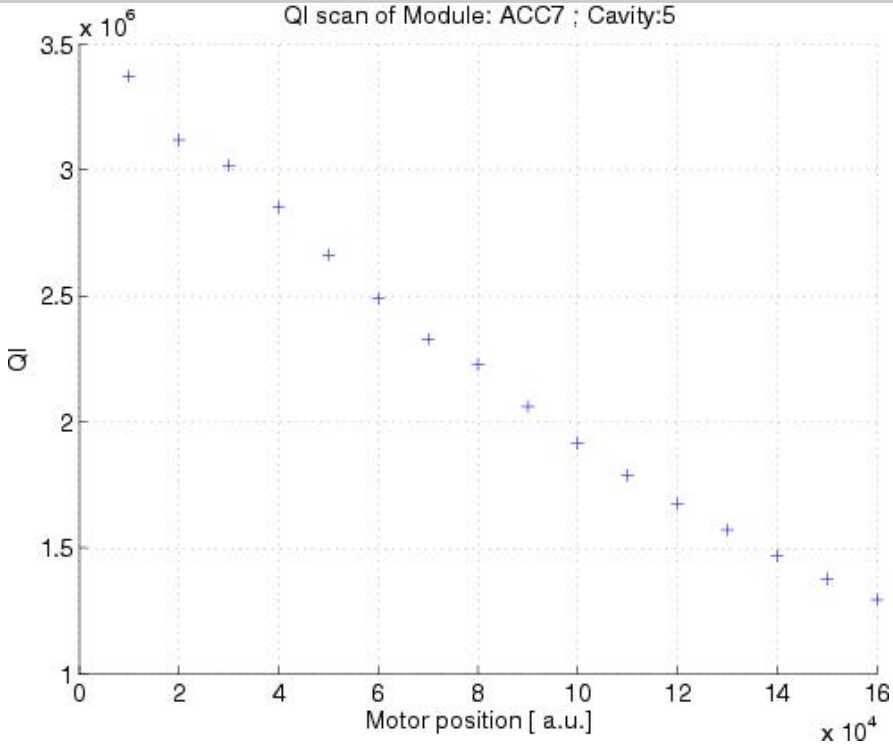
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T04:23:35-00.ps

05.02.2011 04:29 doocsadm **tp1304fc19_eb68_431b_a317_0a4c54c6cc45.ps**



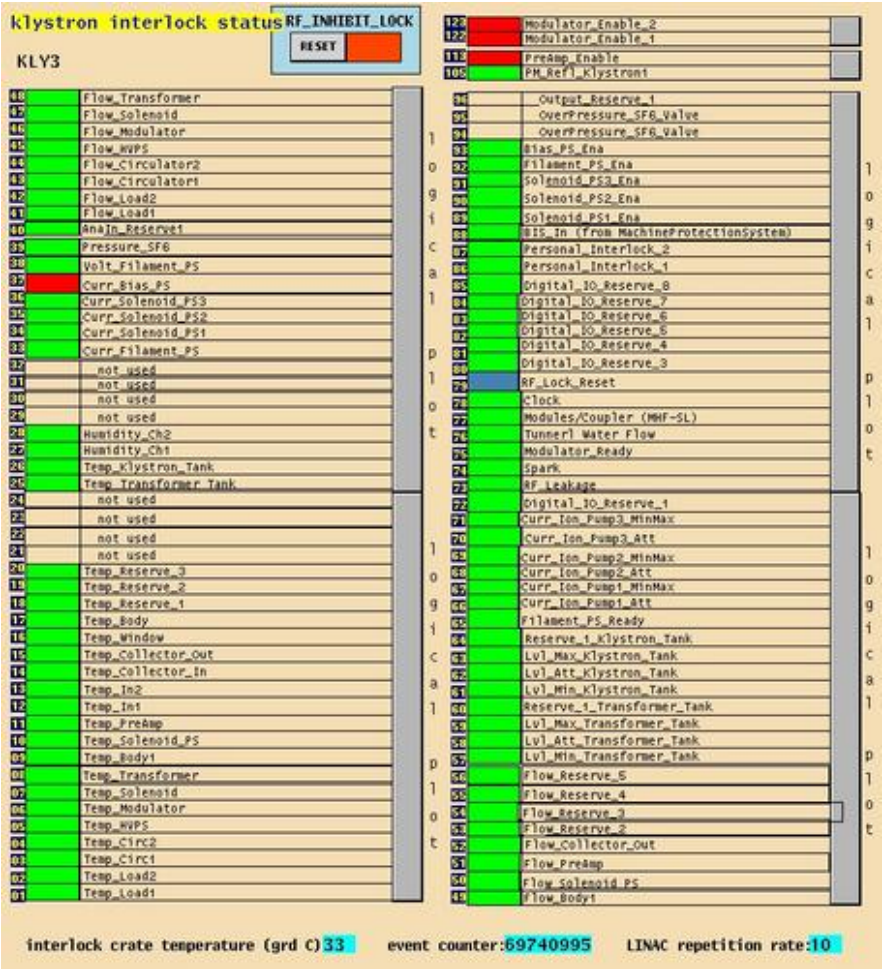
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T04:29:42-00.ps

05.02.2011	04:33	doocsadm	**tp8b9bd626_1fdd_499f_8daf_2c6450c06ce7.ps**



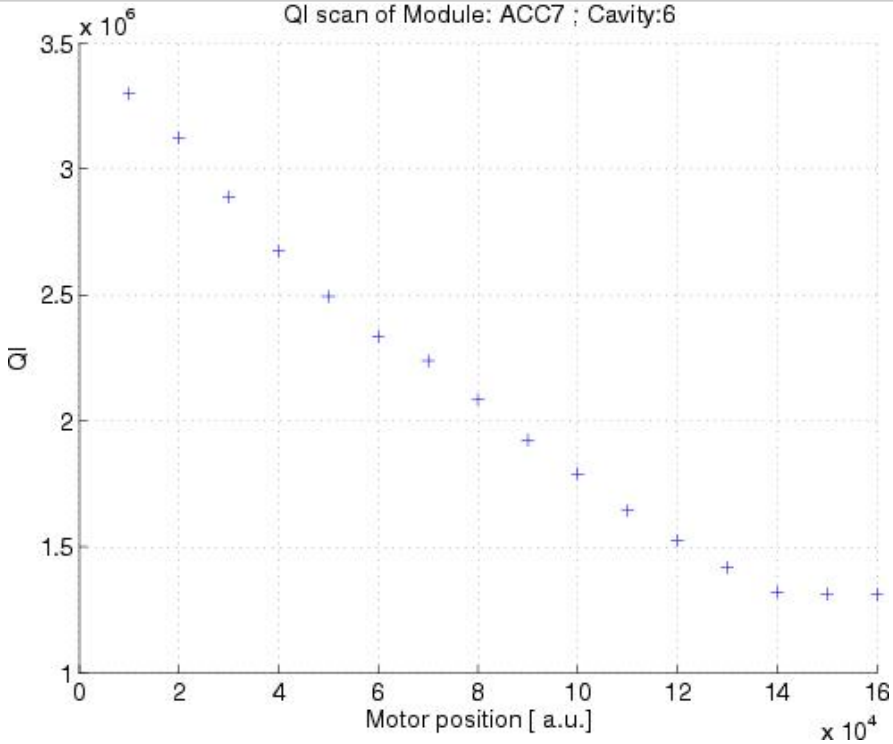
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T04:33:59-00.ps

05.02.2011	04:36	ttflinac	**ttflinac@:kly_intlck2**



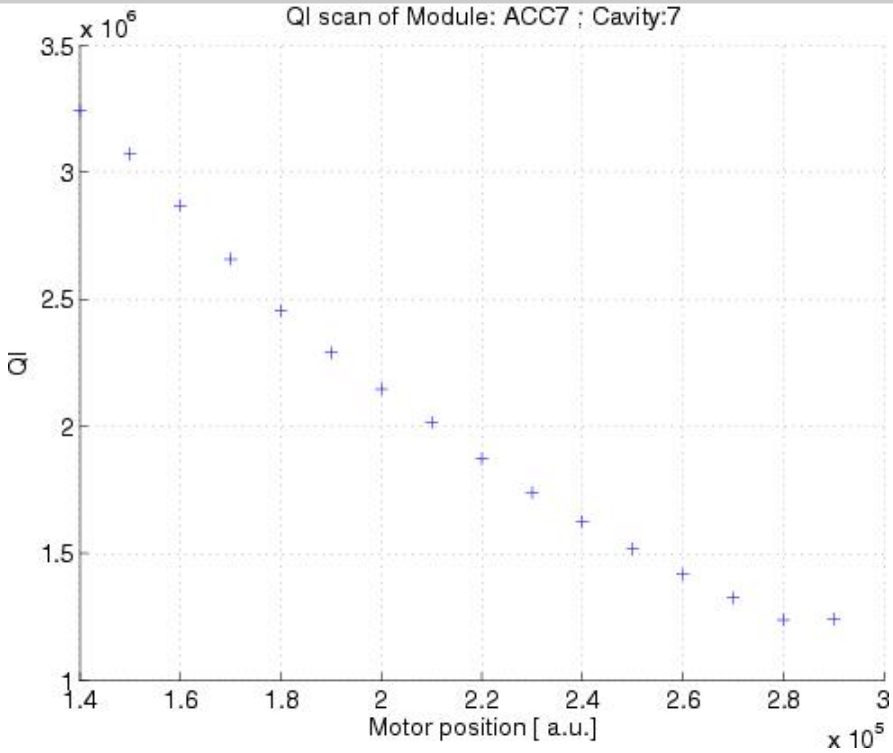
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T04:36:05-00.JPG

05.02.2011 04:41 doocsadm **tp3c8d12c4_940e_4009_b03b_c8f3d1f92d34.ps**



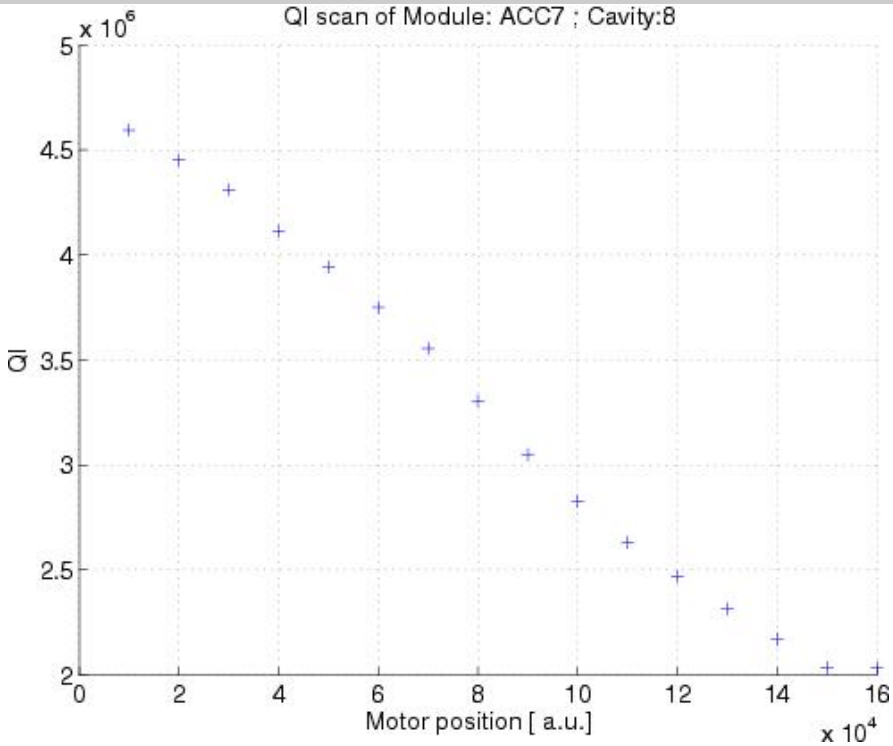
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T04:41:36-00.ps

05.02.2011 04:55 doocsadm **tpa457ba44_165f_44ea_885c_9f216b02ca86.ps**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T04:55:19-00.ps

05.02.2011 05:03 doocsadm **tpb1de9f96_5b79_4ad5_ad0b_732be2757fe9.ps**

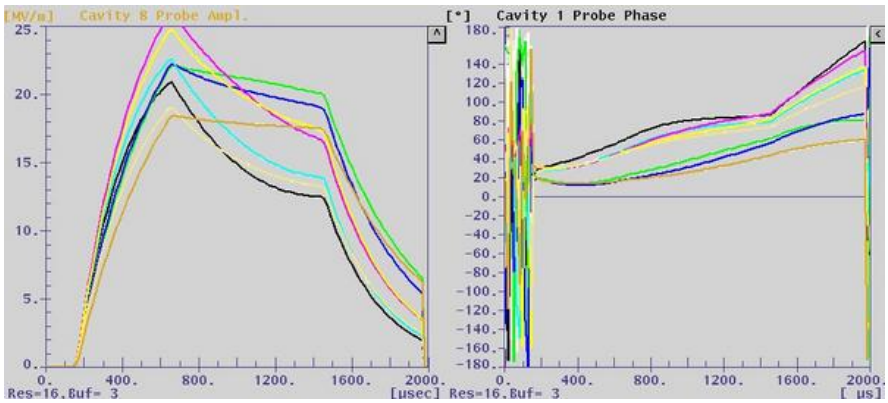


File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T05:03:56-00.ps

05.02.2011 05:04 Ayvazyan, Cancelo, Branlard **ACC7 after coupler scan**

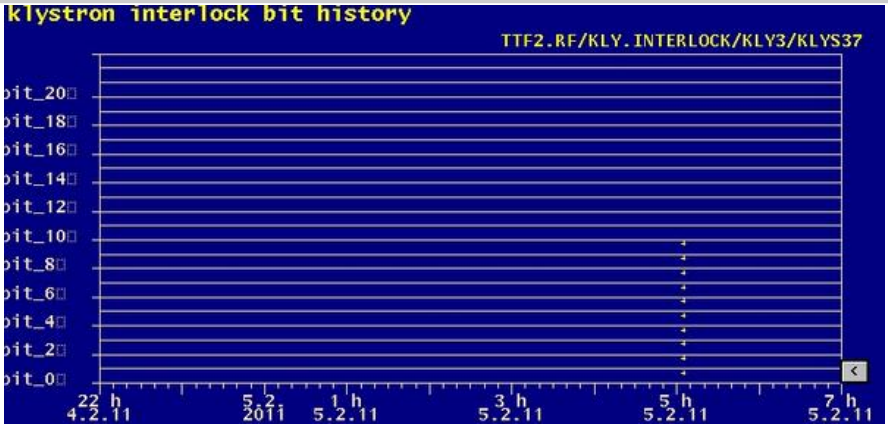
```
Measurement files are located at directory
/home/ttflinac/user/ayvazyan/matlab/9mA/measurements
ACC6:
```

```
Cavity1 :  05-Feb-2011-02-53-17-WG.mat
Cavity2 :  05-Feb-2011-03-06-21-WG.mat
Cavity3 :  05-Feb-2011-03-13-55-WG.mat
Cavity4 :  05-Feb-2011-03-22-34-WG.mat
Cavity5 :  05-Feb-2011-03-31-29-WG.mat
Cavity6 :  05-Feb-2011-03-40-07-WG.mat
Cavity7 :  05-Feb-2011-03-46-54-WG.mat
Cavity8 :  05-Feb-2011-03-53-43-WG.mat
ACC7:
Cavity1 :  05-Feb-2011-04-13-23-WG.mat
Cavity2 :  05-Feb-2011-04-19-19-WG.mat
Cavity3 :  05-Feb-2011-03-31-29-WG.mat
Cavity4 :  05-Feb-2011-03-40-07-WG.mat
Cavity5 :  05-Feb-2011-04-33-46-WG.mat
Cavity6 :  05-Feb-2011-04-41-23-WG.mat
Cavity7 :  05-Feb-2011-04-55-06-WG.mat
Cavity8 :  05-Feb-2011-05-03-43-WG.mat
```



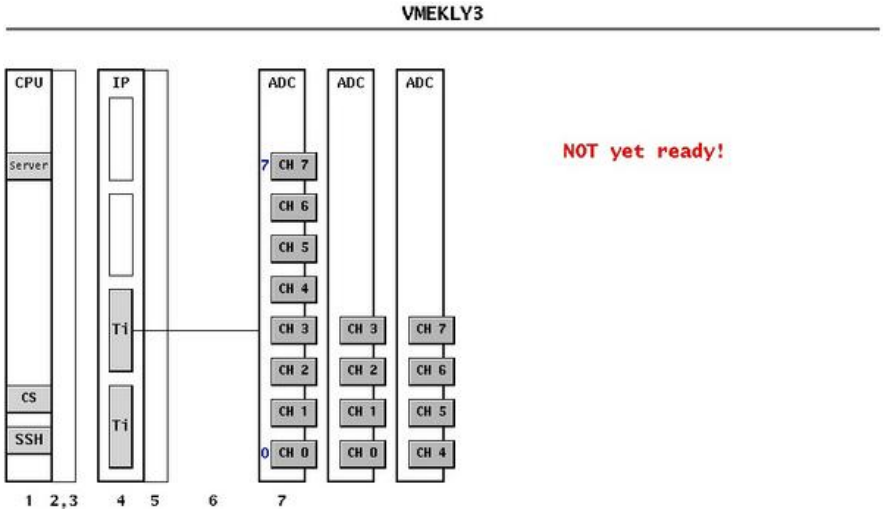
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T05:04:50-00.JPG

05.02.2011 05:05 ttflinac **ttflinac@:kly_intlck_plot**



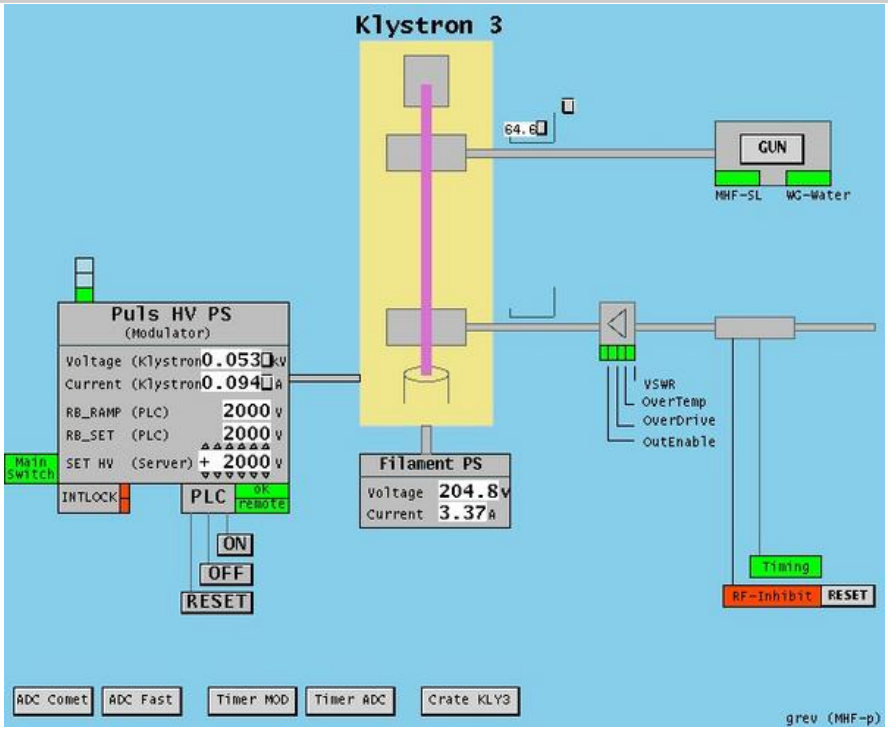
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T05:05:48-00.JPG

05.02.2011 05:10 ttflinac **ttflinac@:crate_VMEKLY3**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T05:10:48-00.JPG

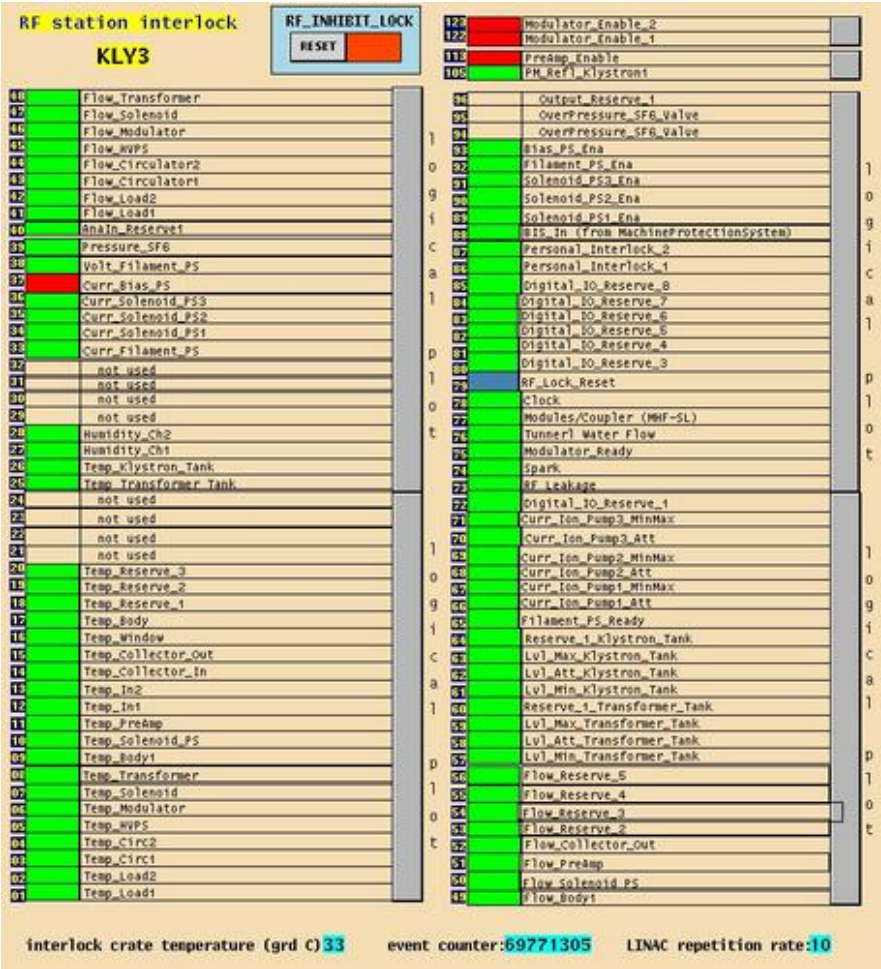
05.02.2011 05:11 ttflinac **ttflinac@:kly0_3**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T05:11:21-00.JPG

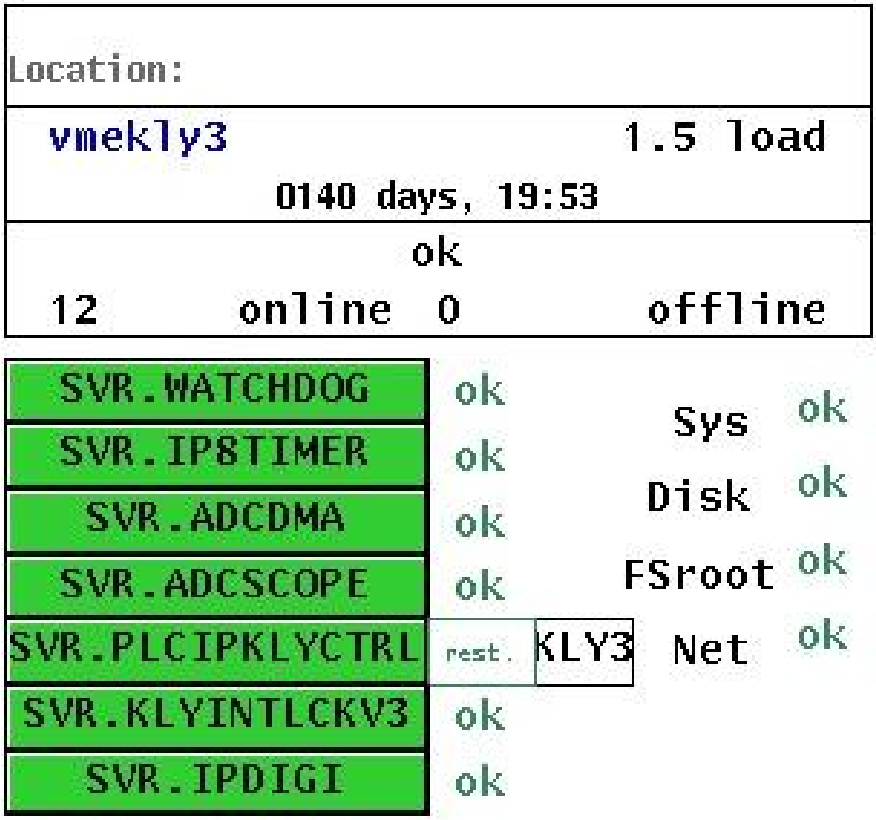
05.02.2011 05:26 Krueger,Woldt **Bias PS**

Wir haben das Bias PS vor Ort aus- und wieder eingeschaltet. Danach war alles ok.



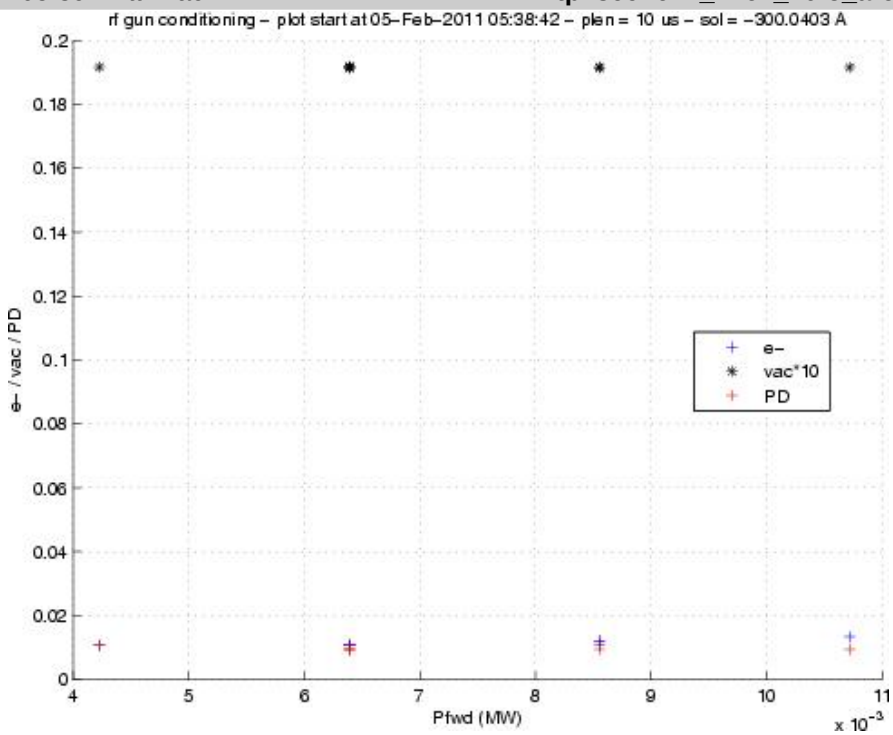
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T05:26:32-00.JPG

05.02.2011	05:31	ttflinac	**ttflinac@:watchdog_ttf_VMEKLY3**



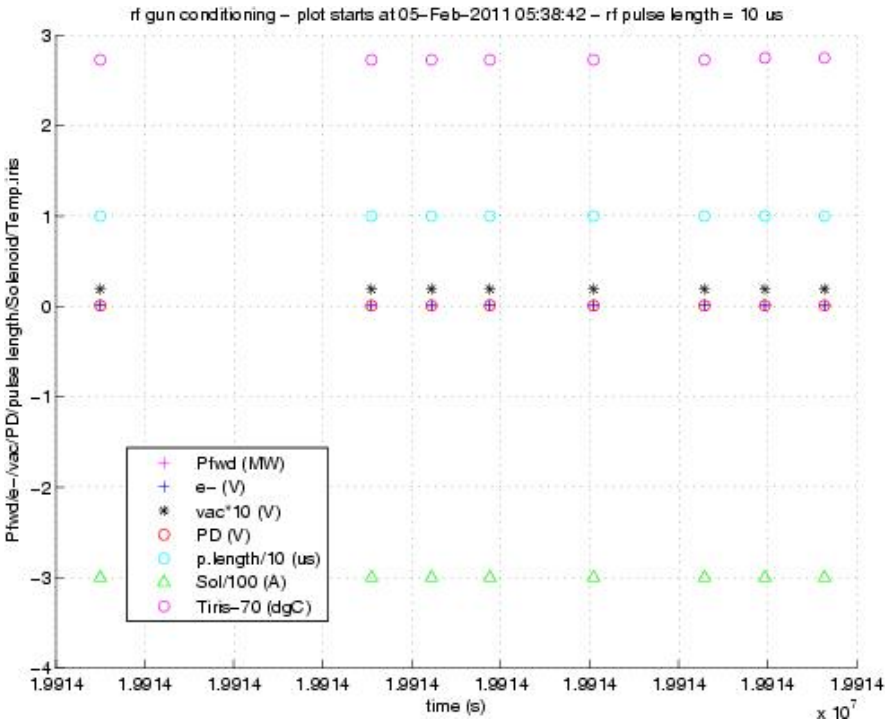
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T05:31:37-00.JPG

05.02.2011 05:39 ttflinac **tp23992641_4264_40f5_af61_d2207baa5d6c.ps**



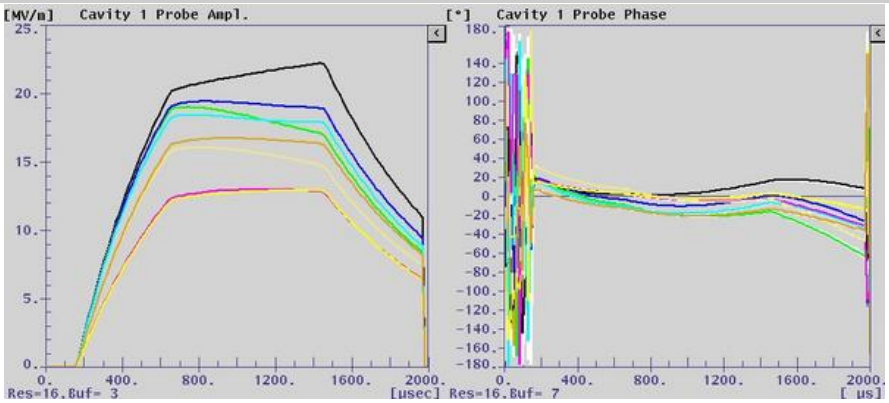
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T05:39:15-00.ps

05.02.2011 05:39 ttflinac **tpb4d6980e_6ea6_494b_8259_2b69760a296f.ps**



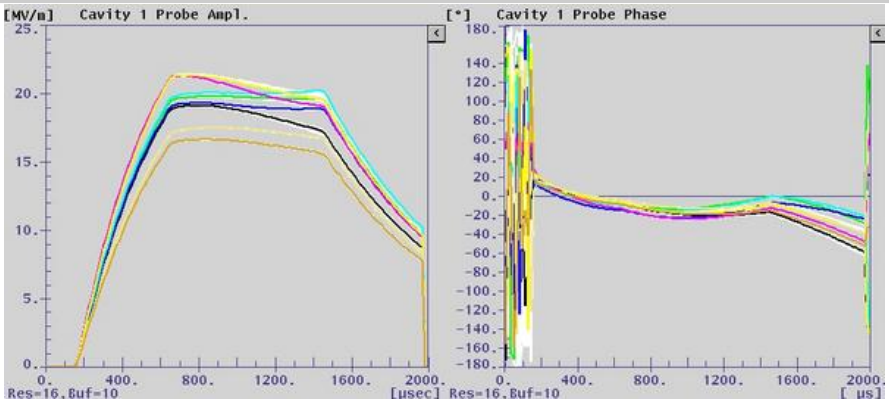
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T05:39:21-00.ps

05.02.2011 05:46 ttflinac **ttflinac@:ACC_win2**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T05:46:08-00.JPG

05.02.2011 05:46 ttflinac **ttflinac@:ACC_win2**



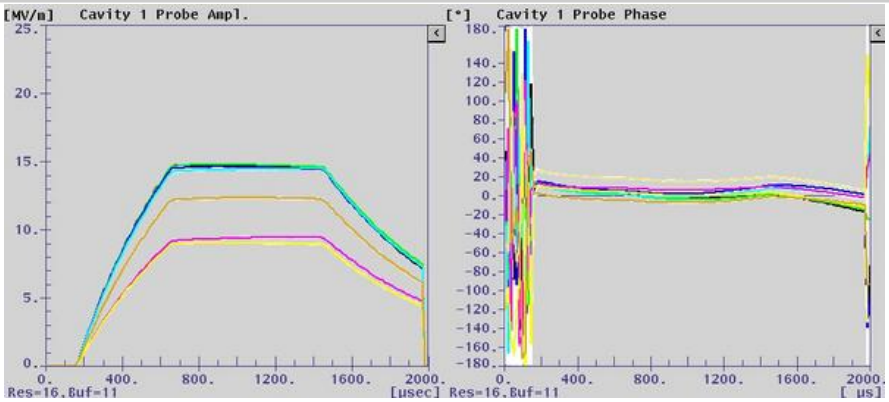
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T05:46:21-00.JPG

05.02.2011 05:46 **restored Ql**

We restored the Qls to 3e6 for ACC6 and 7.

Cavity detunings have not been adjusted yet.

05.02.2011 06:05 ttflinac **ttflinac@:ACC_win2**

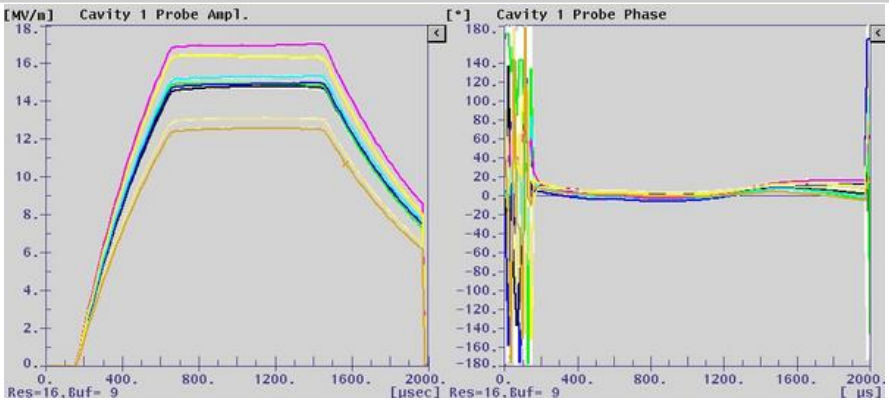


File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T06:05:30-00.JPG

05.02.2011 06:05

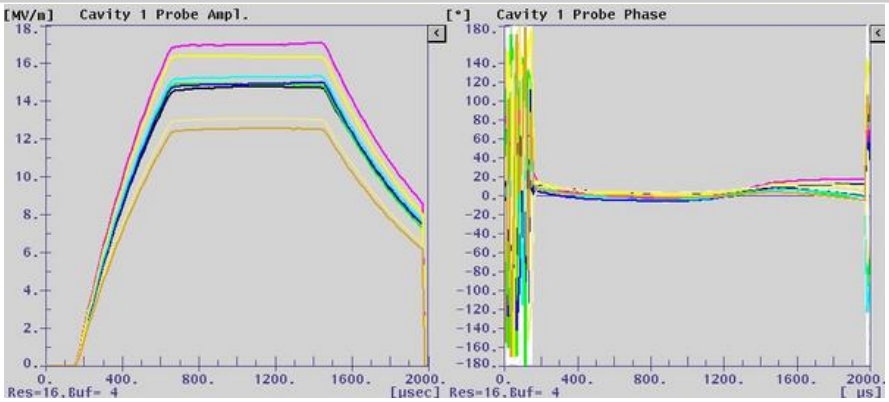
We retuned the cavities of ACC6

05.02.2011 06:12 ttflinac **ttflinac@:ACC_win2**



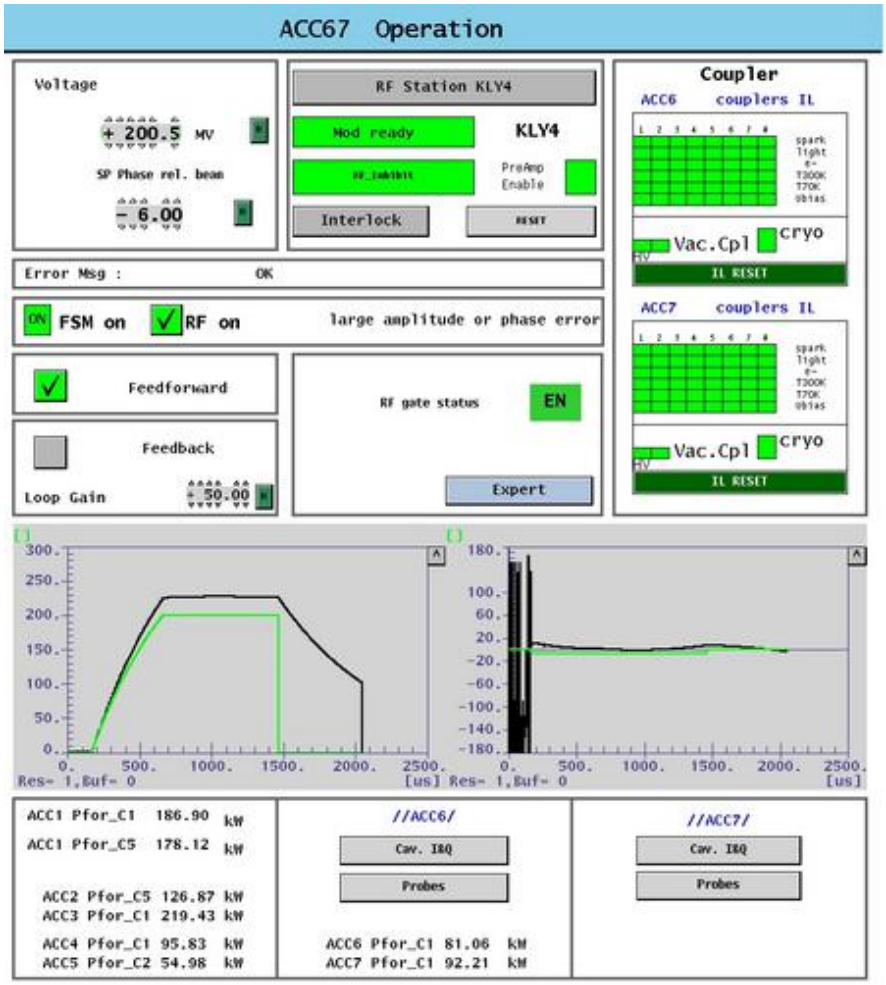
File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T06:12:27-00.JPG

05.02.2011 06:15 ttflinac **ttflinac@:ACC_win2**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T06:15:38-00.JPG

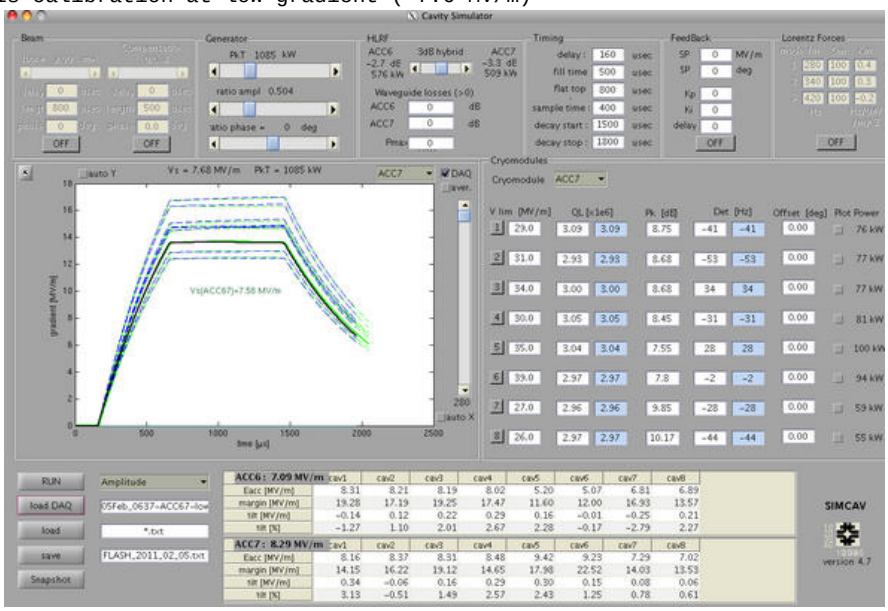
05.02.2011 06:15 doocsadm **doocsadm@flashbkr4.desy.de:SIMCON_Operation**



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T06:15:49-00.JPG

05.02.2011 06:49 **Simulator calibration**

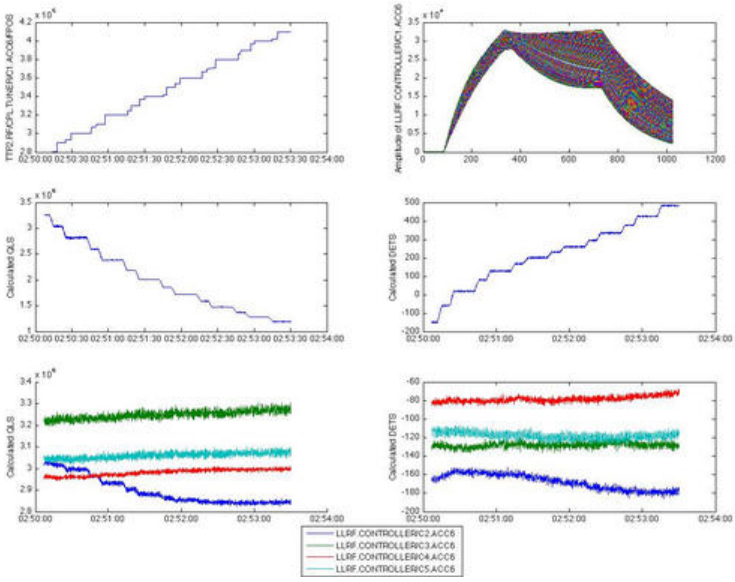
We calibrated the model by adjusting the power ratio (i.e. power distributed to each cavity to mach the DAQ data)
The steps are:
1. match the simulated QL's to the measured Qls
2. match the simulated detuning to the measured detuning
3. adjust the power ration to match the cavity gradients at the beginning of the flat top
We performed this calibration at low gradient (~7.6 MV/m)



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-05T06:49:32-00.png

05.02.2011 06:55 Ned Arnold **Loaded Q and Detuning of adjacent cavities (ACC6 C2,3,4) during coupler scan of ACC6 C1**

Plot shows the calculated loaded Q and detuning of ACC6 C2, C3, C4, C5 during the coupler scan of ACC6 C1. Note change in C2 ...



File: http://ttfinfo.desy.de/TTFelog/data/2011/05/04.02_n/2011-02-06T11:56:42-01.jpg