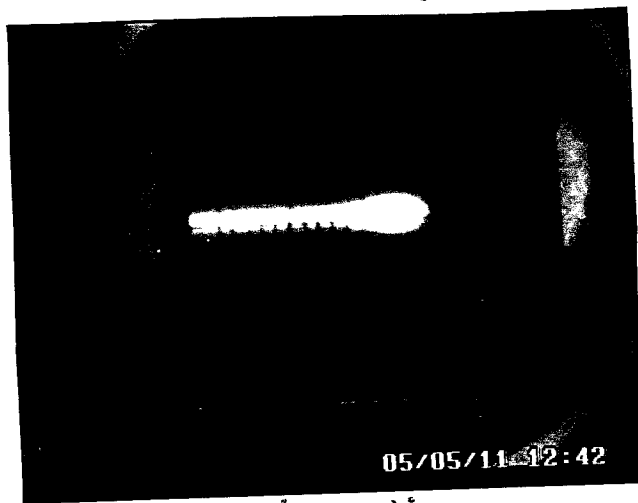


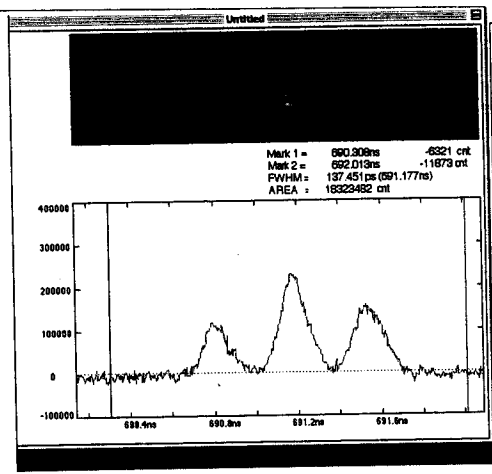
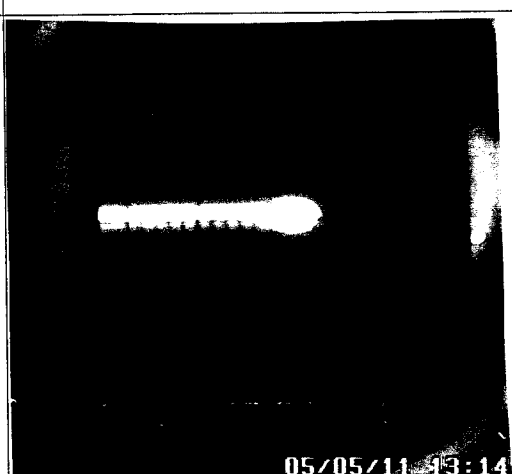
- $\angle LA1 = 100.1 \text{ deg.} \rightarrow 162.1 \text{ deg.}$
- $SB_{A,B} = 98.3 \text{ deg.} \rightarrow 122.3 \text{ deg.}$
- $\angle LA1 = 162.1 \text{ deg.} \rightarrow 167.1 \text{ deg.}$
- $SB_{A,B} = 122.3 \text{ deg.} \rightarrow 121.3 \text{ deg.}$



$SB-A \phi \quad 98.3^\circ \rightarrow 122.3^\circ$   
 $SB-B \phi \quad 98.3^\circ \rightarrow 122.3^\circ$   
 $KL-A1 \phi \quad 162.0^\circ \rightarrow 167.2^\circ$

2:46. Gun (A1 e-) delay FB Stop

Gun delay 1 : 0.886  $\rightarrow$  0.786.

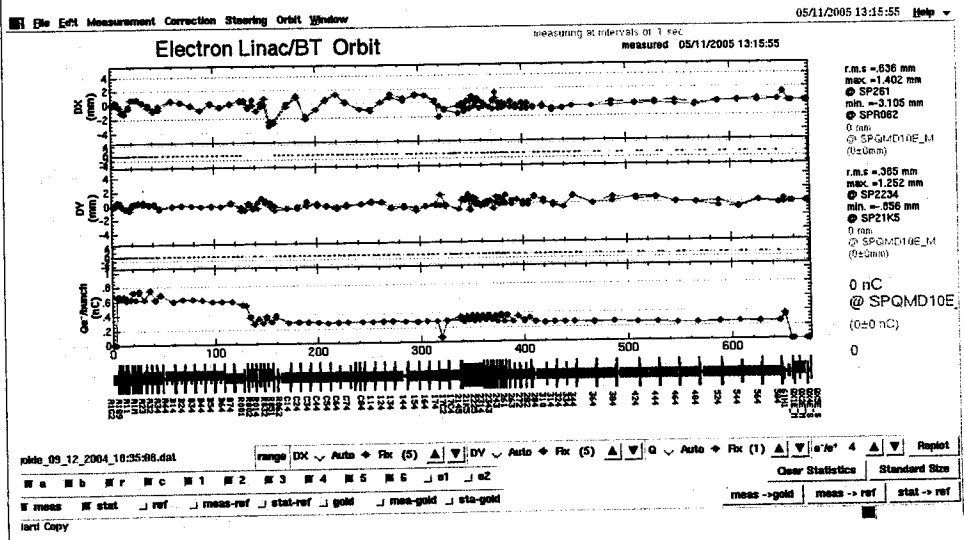


Measurement Condition

Live Time: 1 pul  
 Accum.Time: 50 pul  
 Control the Streak Camera:  
 U-Sweep Range: 2ns  
 MCP Gain: 100 %  
 Delay: 546.65  
 Search pulse: 5000 cnt  
 Input Optics:  
 Focus: 10p  
 Slit Width: 500 um  
 Gravity Integ.  Trig.Str  
 Table... Quit Do I

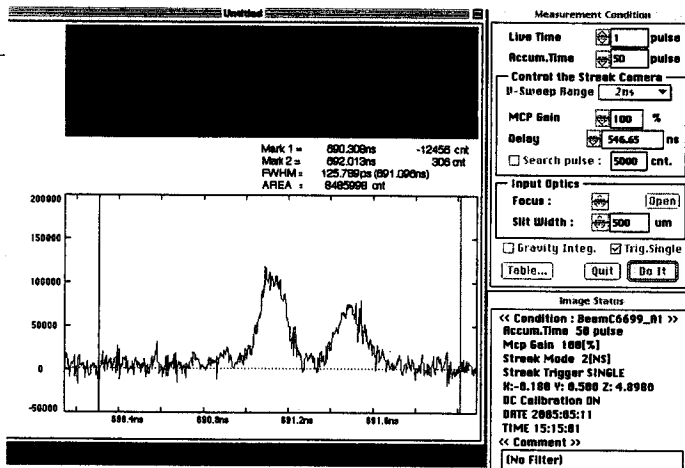
Image Status

<< Condition: BeamC6699\_01  
 Accum.Time 50 pulse  
 Mcp Gain 100[%]  
 Streak Mode 2[NS]  
 Streak Trigger SINGLE  
 X: -8.188 Y: 0.508 Z: 4.8988  
 DC Calibration ON  
 DATE 2005:05:11  
 TIME 13:19:25  
 << Comment >>  
 (Bandpass 1)



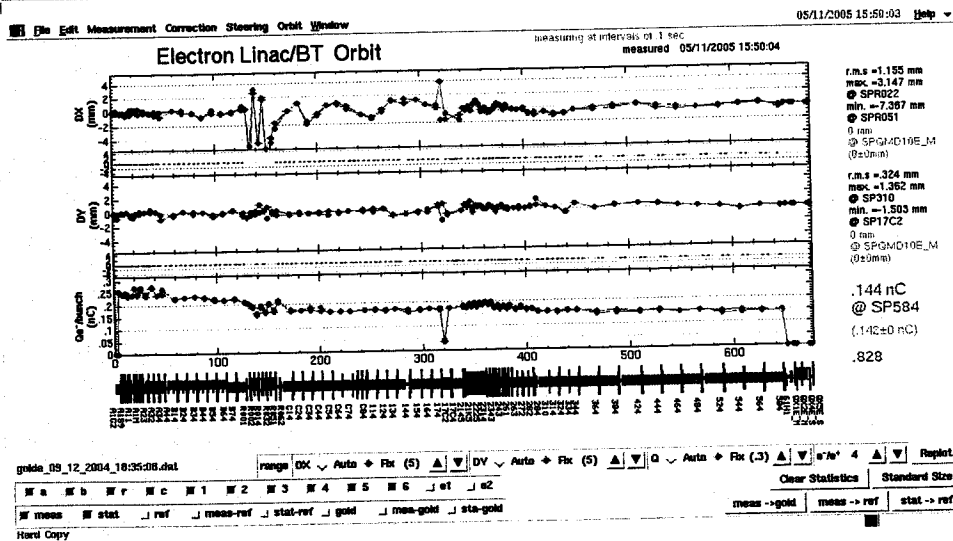
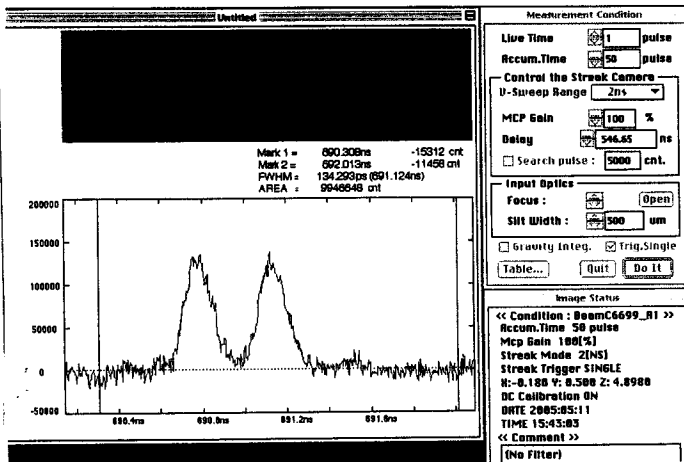
15:06

Gun charge E. 0.4nC 12LT. (Linac end of charge is 12LT減止.)  
 (-12LTのL23は減止)  
 Gun delay 071F → 0459.  
 • SP-A, B 121.3 deg. → 124.3 deg.  
 • KL-A1 167.1 deg. → 164.1 deg.  
 - SP-A, B 124.3 deg. → 121.8 deg.  
 • Over-ALL - A, B { 49021 nF  
 { 49051 nF → (E減止)



15:34

- PB, BE 調整 可子. → 元値が 1 番 上 4 -
- SHB Z E Acc 可子. (SHB In 可子 E tte)
- KLA1 : 164.1 deg. → 126.1 deg.



SHB 1, 2 2 ffre.

KL A1 126.1 → 169.1

KL-A1-RF 93461 ns → 元値

Gun Delay 1: 0.786 → 0.886

KL-A1 2 scan 232 169 deg <"S. 1. 9" - 普通了.

Election 2 1/2 子 60 連

Gun Delay Monitor 2 set

小川, 東福  
古川

o Gun delay 2

1.939 → (1.700) <sup>OFC 6</sup>, ODS → OA02

o Gun pulse 2

0000 → 0371 (16 連)

Gun Parameter saved

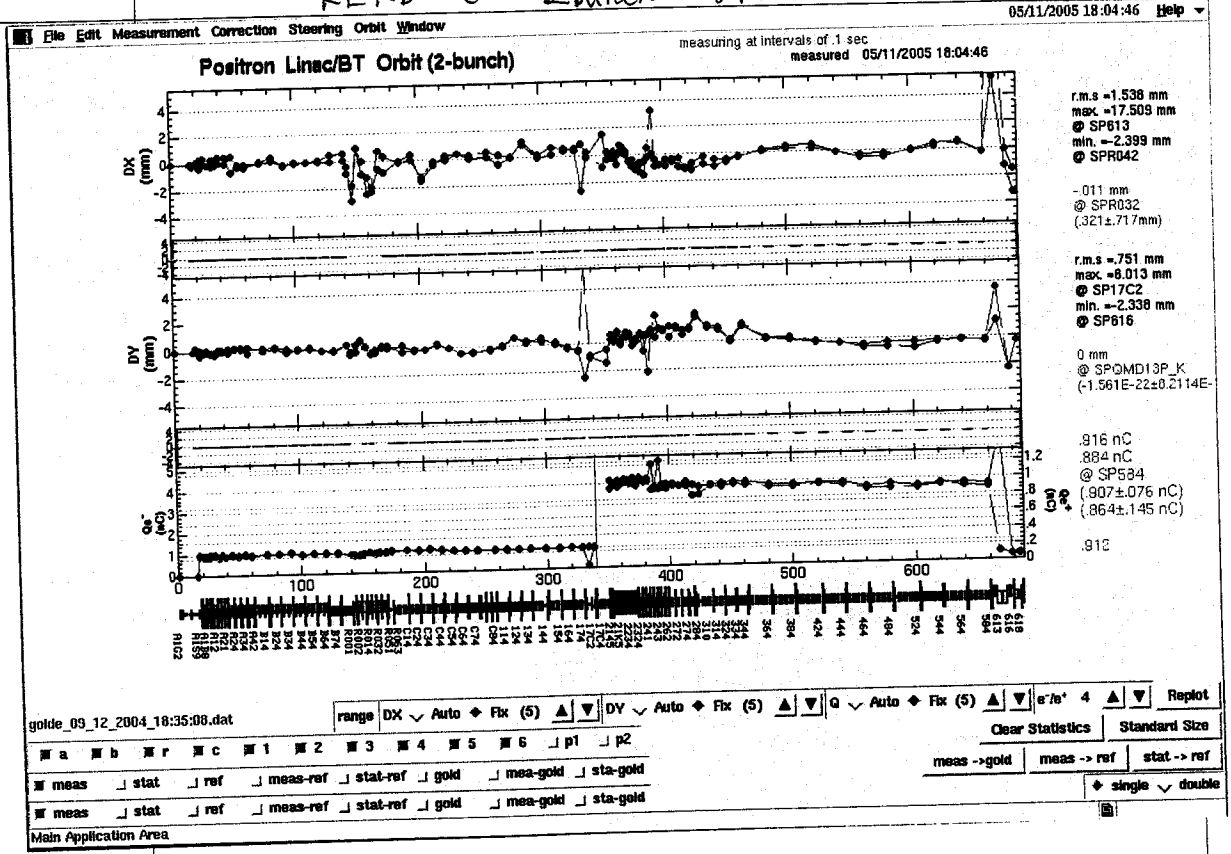
Overall (2 1/2 子 energy 100 連 23)

050511-lind, 2 bunch

A, B, C 1 計測 → data 248. delay. all 1 = 0 →

File										Trigger Delays										17:47 v1.3.0	
Toggle AB-sled		Toggle C1-sled		Toggle 25-sled		Toggle Monitor		Reference		Current		Difference		Read Ref.		Read Cur.					
		May11 12:58:36		May11 17:47:45																	
┘	KL_A1_RF	93461	ns	93461	ns	0															
■	OVERALL_A	49083	ns	49053	ns	-30															
■	OVERALL_B	49112	ns	49083	ns	-29															
■	OVERALL_C	50914	ns	50884	ns	-30															
■	OVERALL_1	72934	ns	72904	ns	-30															
┘	OVERALL_2	72789	ns	72789	ns	0															
┘	OVERALL_3	72712	ns	72712	ns	0															
┘	OVERALL_4	72831	ns	72831	ns	0															
┘	OVERALL_5	72826	ns	72826	ns	0															
		-96.3		-17.5		-8.8		-1.75		+1.75		+8.8		+17.5		+96.3					

KEKB e<sup>-</sup> 2bunch Orbit



File 20:17 v1.3.0

**Trigger Delays**

Toggle AB-sled	Toggle C1-sled	Toggle 25-sled	Toggle Monitor
	Reference	Current	Difference
	May11 20:02:51	May11 20:17:40	
<input type="checkbox"/> KL_A1_RF	93461 ns	93461 ns	0
<input type="checkbox"/> OVERALL_A	49053 ns	49053 ns	0
<input type="checkbox"/> OVERALL_B	49083 ns	49083 ns	0
<input checked="" type="checkbox"/> OVERALL_C	50884 ns	50896 ns	12
<input checked="" type="checkbox"/> OVERALL_1	72904 ns	72917 ns	13
<input checked="" type="checkbox"/> OVERALL_2	72789 ns	72801 ns	12
<input checked="" type="checkbox"/> OVERALL_3	72712 ns	72724 ns	12
<input checked="" type="checkbox"/> OVERALL_4	72831 ns	72843 ns	12
<input checked="" type="checkbox"/> OVERALL_5	72826 ns	72838 ns	12

Read Ref.	Read Cur.	-96.3	-17.5	-8.8	-1.75	+1.75	+8.8	+17.5	+96.3
-----------	-----------	-------	-------	------	-------	-------	------	-------	-------

SP\_61-H で 1st, 2nd X が同じになるように Overall C~5 を調整  
調整後のパラメータを data249.delay.all にセーブ

(205/5/18(木)) - AI Multi-bunch Study

16:10

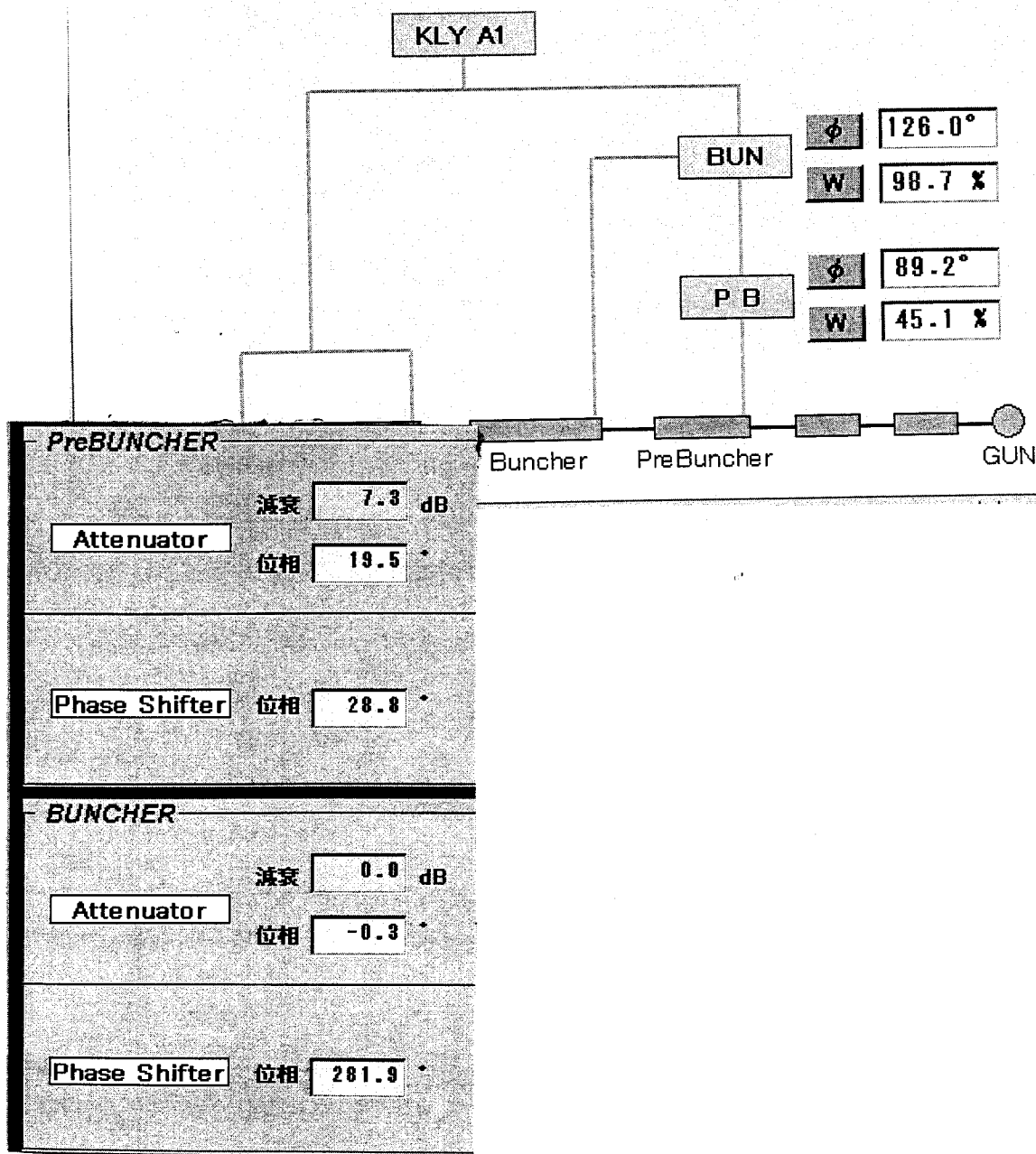
(+ trig 17)

初期値

{ SHALSI Acc 280nF 0000  
   " -S8 Acc 1345nF 0300

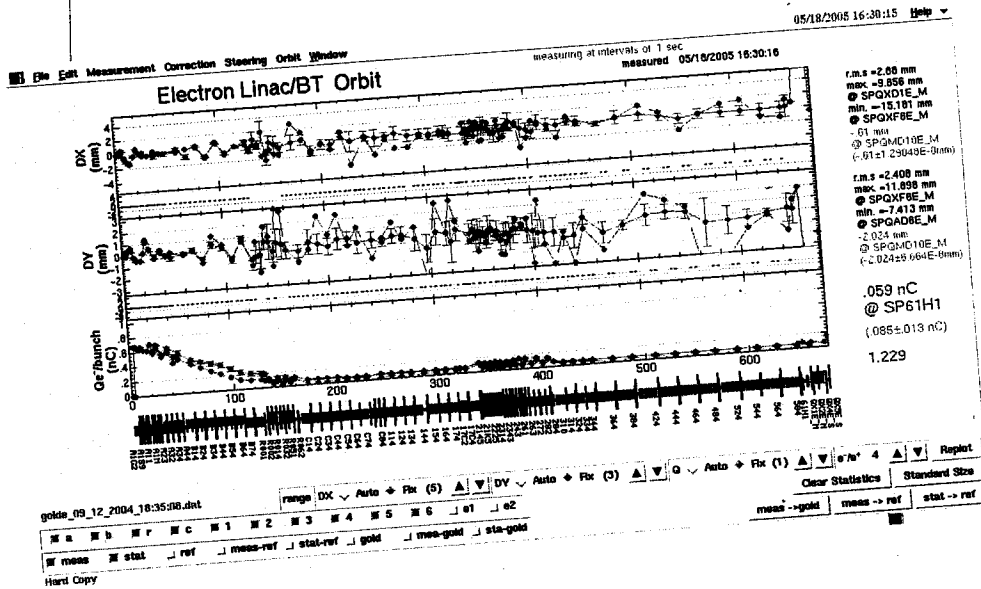
{ PB  $\phi$  ~~126.0~~ 89.2° W 45.1%  
   P  $\phi$  126° W 98.7%

-Injector



16:30

- kckb e - Inc (Linac Mode)
- SHB\_1,2 STB, ffe
- KL\_A1  $100.1^\circ \rightarrow 145.1^\circ$



16:40

~~SP\_A,B : 96.7°~~

OVERALL\_A 49083-nf  
-B 49112-nf

16:20

KL\_A1-RF 93461nf → 93248-nf

KL\_A1 φ : 145.1° → 129.1°

SP\_A,B : 96.7° → 96.7

Gun-Delay Timing Delay I 0.880





Jun. 6, 2005 小川 真由 吉川 Data#9  
 KEKB e<sup>-</sup> 向け 電流増加  
 変更前 bias 0x0972 (301.7) → ADC

SP-A1-B8 0.99 nC  
 SP-58-4 0.89 nC

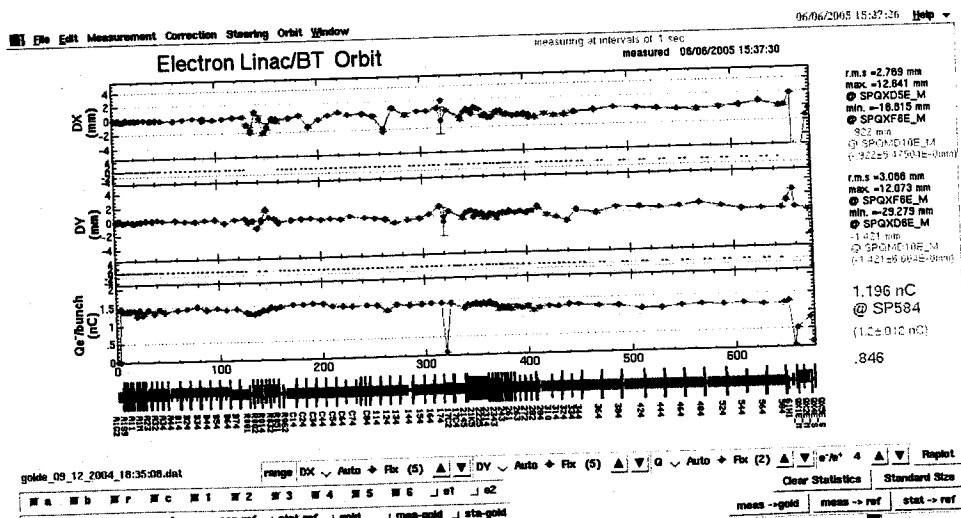
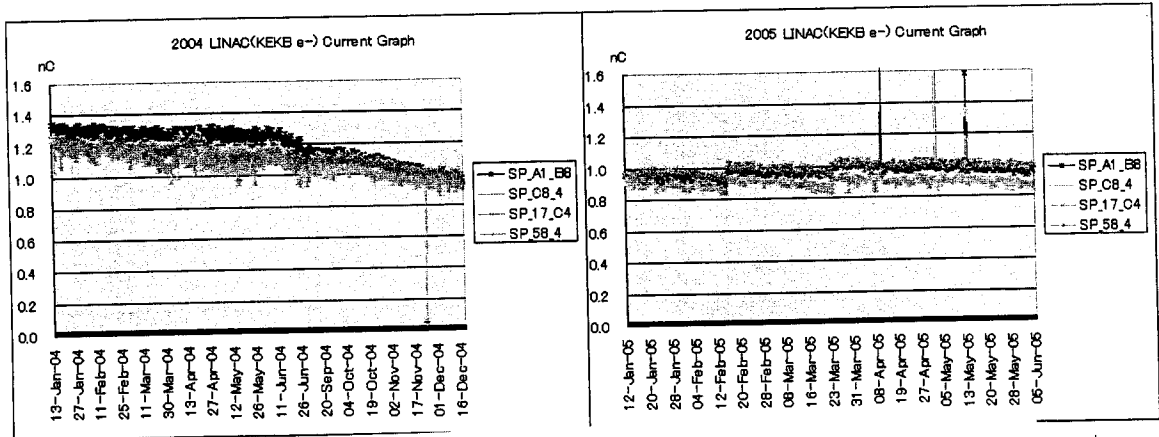
変更後 bias 0x08e2 (283.3) → <sup>ADC</sup> DATA#9 に保存

SP-A1-B8 1.45 nC  
 SP-58-4 1.21 nC

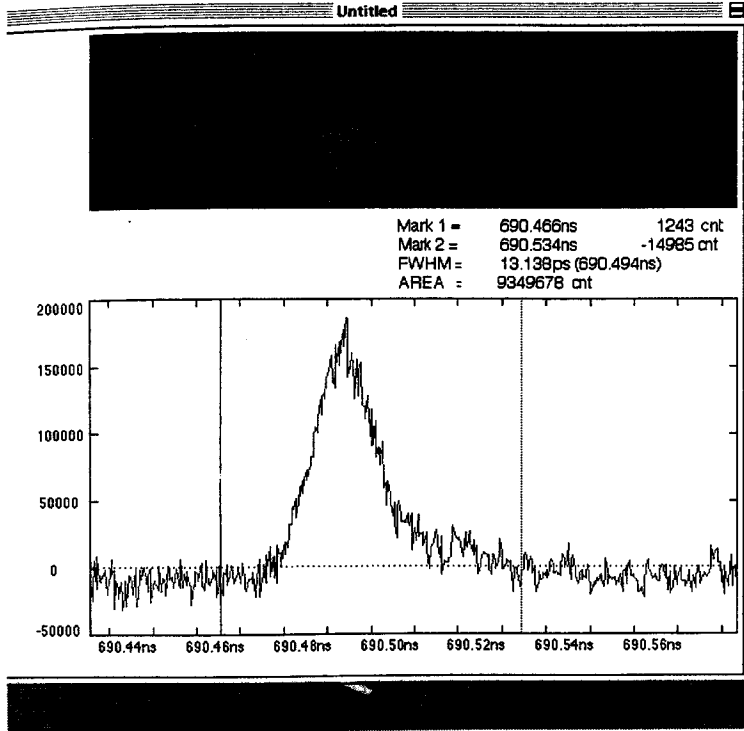
## KEKB Injection 用 Linac Beam

1. 減っているのを増やしてもいいかも。

- Bunch Current のばらつき？
- Deadtime は減らせる？
- もちろん 2 Bunch 入射の方がいい。



2005.6-16(木) +M  
 AI Streak  $e^-$  1.5nC 25nd & 1.0nC



Measurement Condition

Live Time  pulse  
 Accum.Time  pulse

Control the Streak Camera  
 H-Sweep Range

MCP Gain  %  
 Delay  ns  
 Search pulse :  cnt.

Input Optics  
 Focus :   
 Slit Width :  um

Gravity Integ.  Trig.Single

Optics\_A1

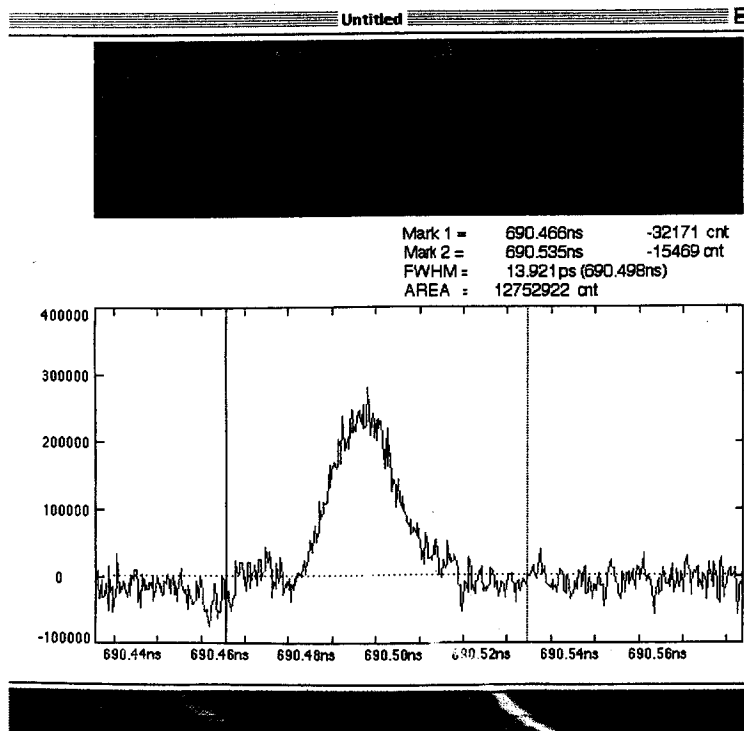
Gallery  
 Left  mm Ric  
 Down  mm Top  
 Near  mm Far

Tunnel  
 Left  mm Ric  
 Down  mm Top  
 Near  mm Far

Filter: No Filter

インターネット  
 Timbuktu Se

$e^-$  1.5nC



Measurement Condition

Live Time  pulse  
 Accum.Time  pulse

Control the Streak Camera  
 H-Sweep Range

MCP Gain  %  
 Delay  ns  
 Search pulse :  cnt.

Input Optics  
 Focus :   
 Slit Width :  um

Gravity Integ.  Trig.Single

Optics\_A1

Gallery  
 Left  mm R  
 Down  mm T  
 Near  mm F.

Tunnel  
 Left  mm R  
 Down  mm T  
 Near  mm F.

Filter: No Filter

インターネット  
 Timbuktu S

$e^-$  1nC