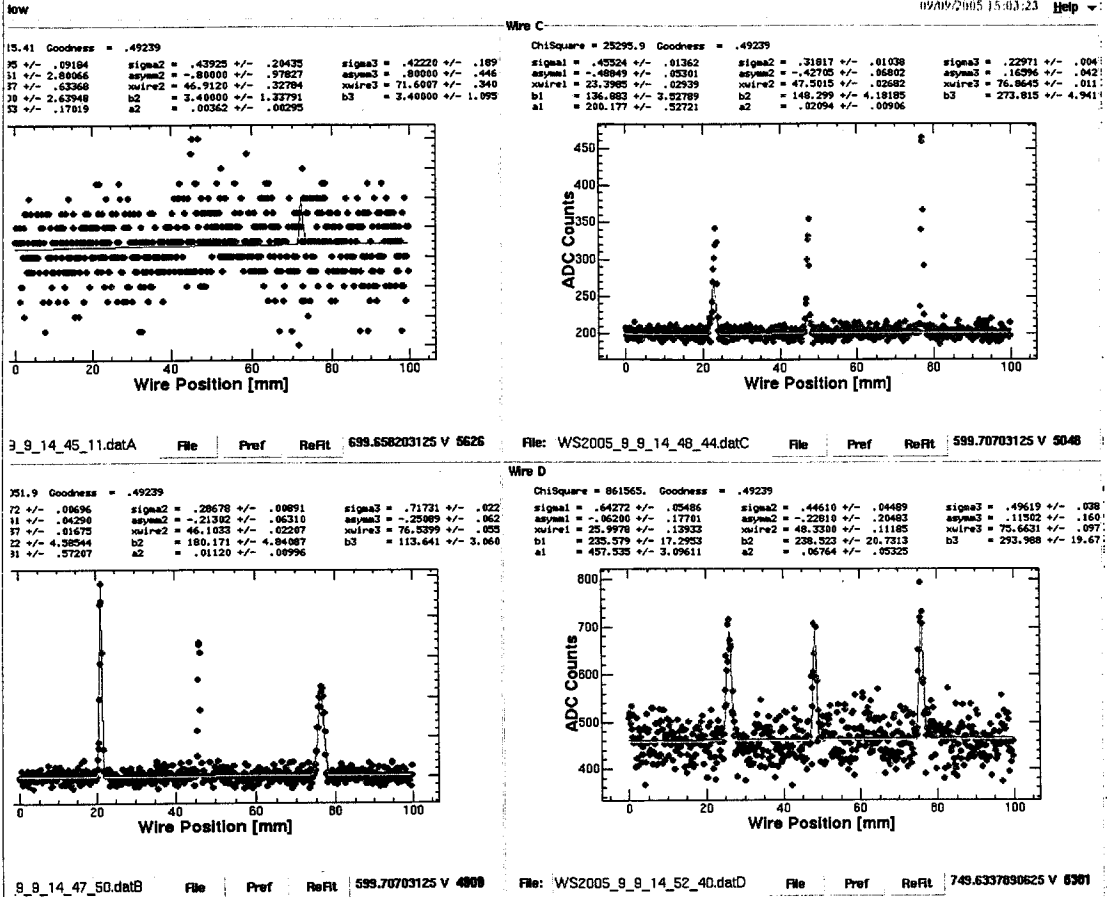


Wire Scanner 測定結果



File Edit Window 09/09/2005 14:54:51 Help

Wire Scan Optics Calculate Matching

X phase space at Wire A X phase space at Matching Point

Results of Measurement

$\beta_x$ @QD584.1 [m] :	52.009	$\beta_x$ @QD584.1 [m] :	81.163
$\alpha_x$ @QD584.1 :	-2.438	$\alpha_x$ @QD584.1 :	-5.806
$c_x$ [m] :	1.0961E-6	$c_x$ [m] :	1.1690E-6
$\gamma_x$ [m.m.mrad] :	59.626	$\gamma_x$ [m.m.mrad] :	57.192
Bmag x :	1.657	Bmag y :	2.612
cBmag x :	1.8165E-8	cBmag y :	9.0598E-8
$\gamma_c$ Bmag x :	88.865	$\gamma_c$ Bmag y :	148.388

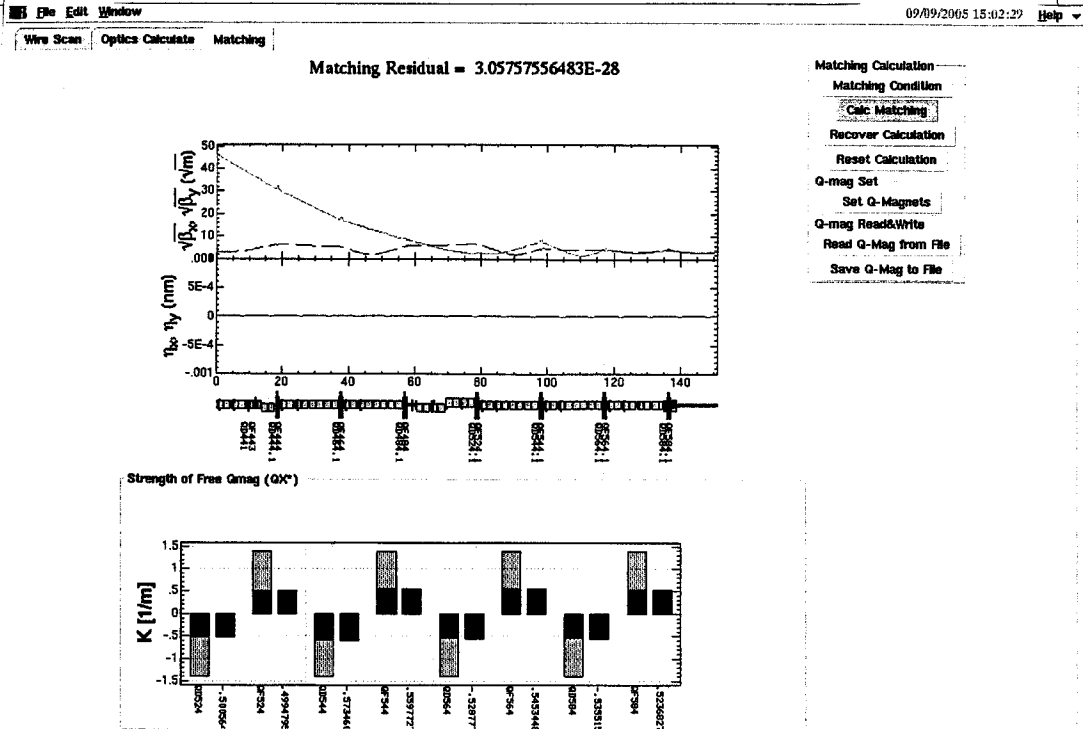
Optics Plot

Wire Selection  
 3-wire:ABC 3-wire:ABD 3-wire:ACD 3-wire:BCD  
 4-wire:ABCD

Err(meas), nσ n: 0 Err(opt) (%): 0

\*Calculate Optics\* Save All Parameters

All informations are SAVED to /data1/KEKB/Wire/LINAC/sectors/PF/data/MatchResult/WLS5PF\_2005\_9\_9\_14\_54\_49



▶ Set-Qmag 後、E<sup>-</sup>の観測

SC-61-F4 I=2, E<sup>-</sup>の「たがり」が変わらない

ECS ON → OFF にして様子を確認  
 (OFF した結果、E<sup>-</sup>は右側にいた)

BS-61-F1 -2.700A → 0A

~~BX~~-61-F3 -1.601A → 0A

(前準備シフト調整前に戻した)

15:32

SC-61-F4 I=2 E<sup>-</sup>確認しながら、STC調整

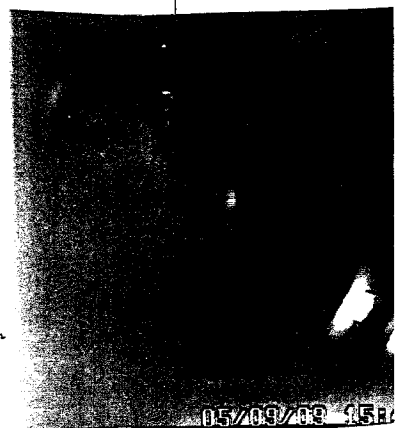
BX-61-F3 0A → -2.1A

BS-61-F1 0A → -0.699A

E<sup>-</sup>の「たがり」は、あまり変わらない

SB-1φ ~ SB-4φ 92.5° → 89.5° に変更

E<sup>-</sup>の「たがり」は、まどまどきた

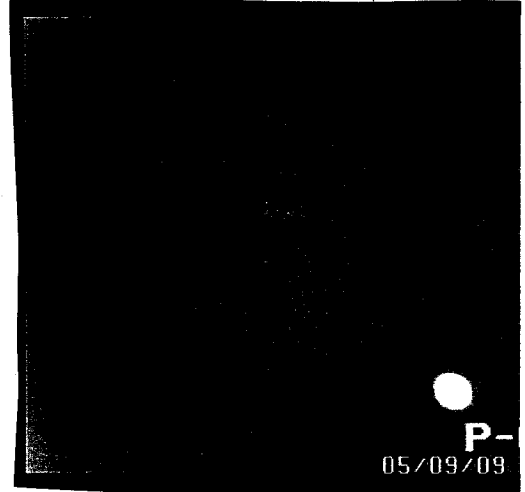


15:45

Wire Scanner of Set Qmag 前ノ度可ニトク。

BT: data3976, all to Quick Load.

BM-61-2/3/4/5 OUTPUT ON.



遊 20dot2is FCS aBS

62 GF 加 OFF 12, 243

BS-61-2, 61-5 ON -3.104 A

PR-BT LINE

X 方向: BS-58-1, BS-61-F1,

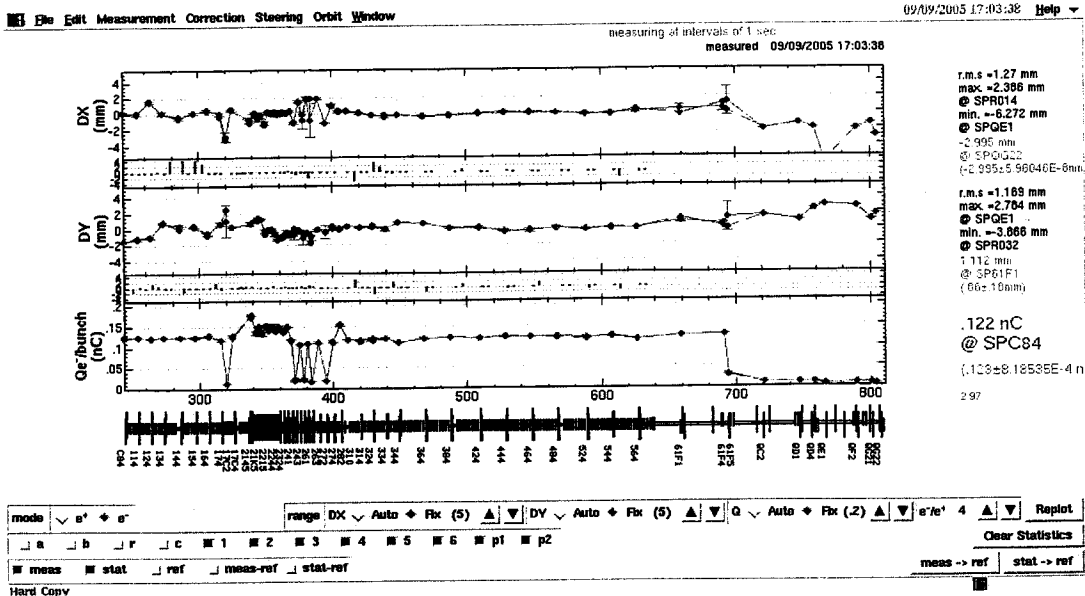
Y " : SY-57-3, BY-61-F1

調整は軌道挿入

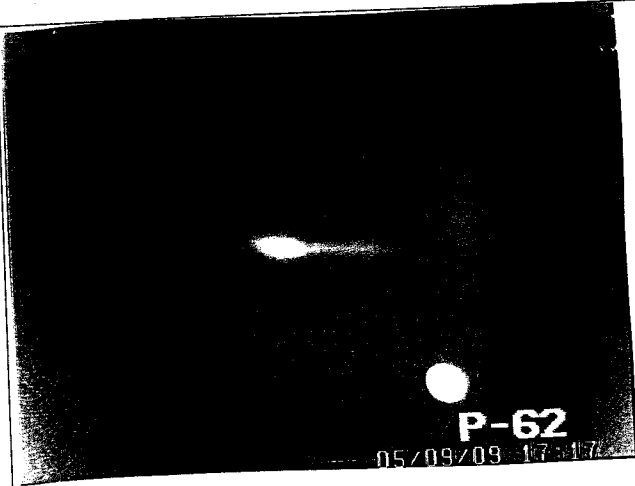
lastopfe

data

② BS-61-1, 6 237 は BS は ON



177



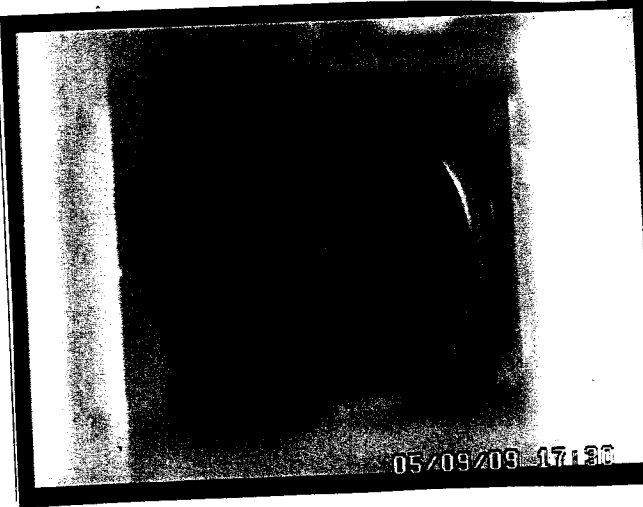
SC-61-F4

lastOpfe (→) (17:19)

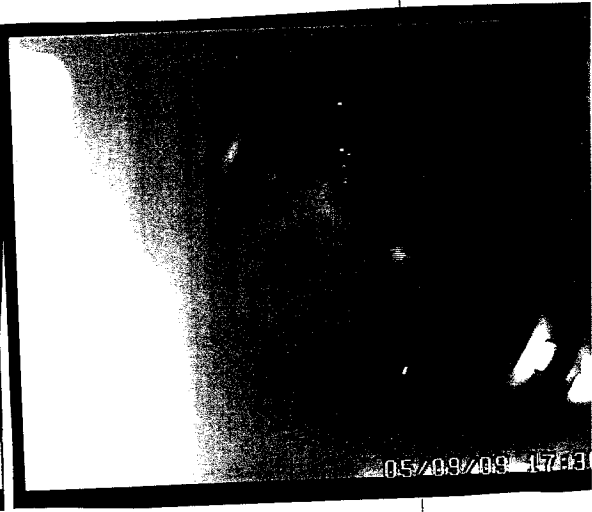
1012.

$\phi$  : data1537. Phase.all  
 BT, data30. main  
 Trigger, data258. delay.all  
 Acc-Probe : data249. mode.all  
 →!

(5 sec 45 deg)



SC-61-F1



SC-61-F2

準備ミテ 横ウ.

KEKB  $e^+$   $e^-$  2bunch  
 $e^+$  2bunch ON / OFF  
 $e^-$  2bunch OFF  
 ↓  
 single

17:30

KEKB  $e^-$  モード 2bunch 178.2630. bunch selection.

Overall - A - delay 49000 ( $\leftarrow$  48901ns)  
 Overall - B - delay 49050 ( $\leftarrow$  49112ns)

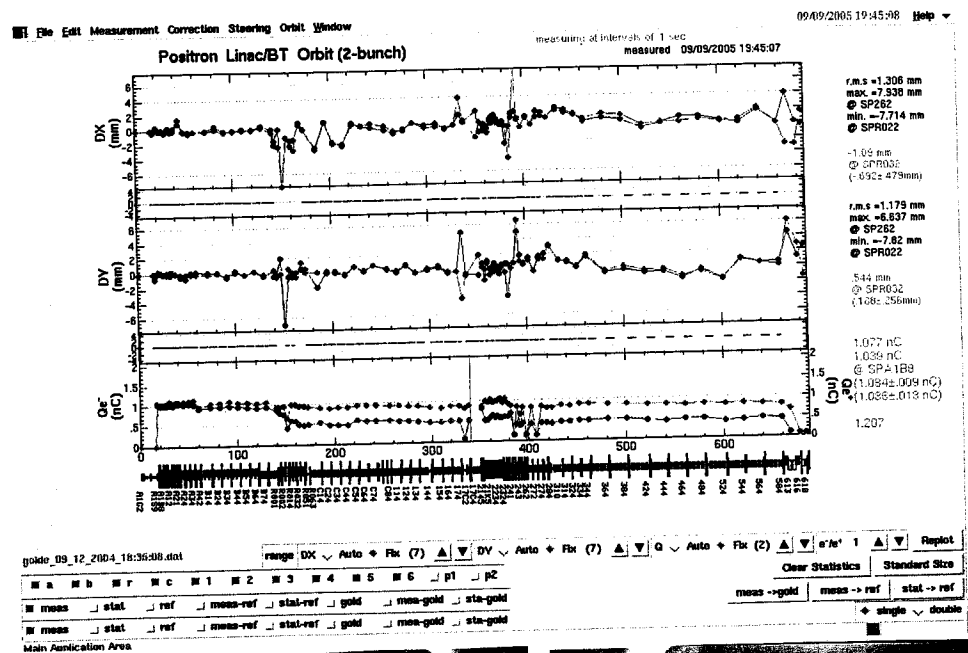
Gun delay Timing Delay2 2.54

SH-A1-S1  $\phi$  359.1°  
 SH-A1-S8  $\phi$  47.9°

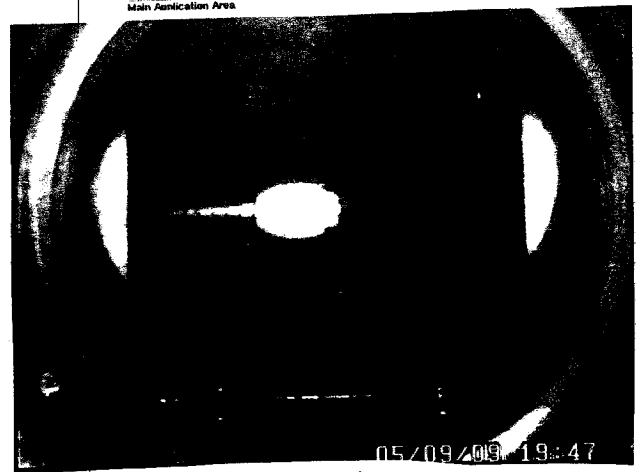
$e^+$  2bunch on  
 $e^-$  2bunch off

$e^-$  2bunch が実行される.

Overall - A 49000  $\rightarrow$  49055 ns  
 Overall - B 49050  $\rightarrow$  49104 ns } SP-R0-32, SC-R0-31 T  
 position 図に示すように.



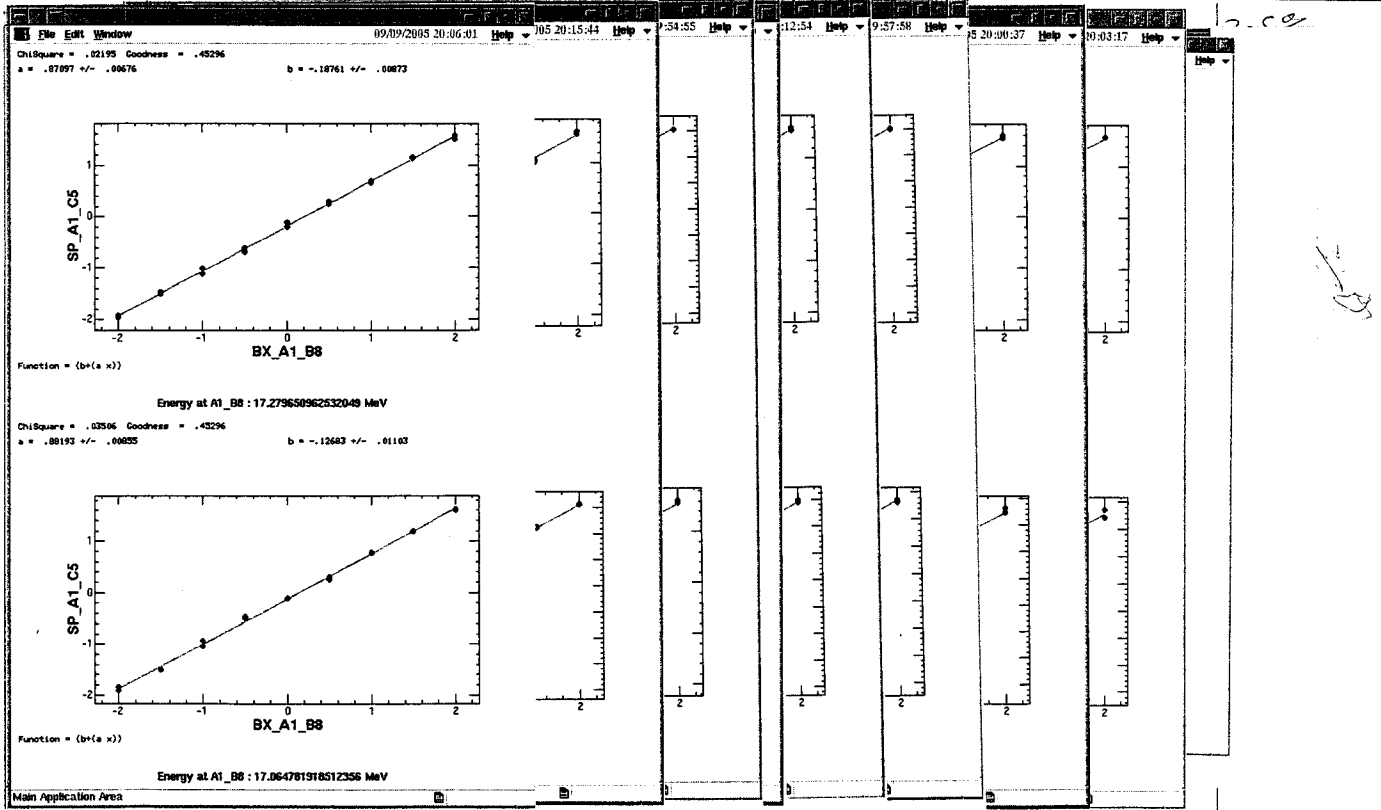
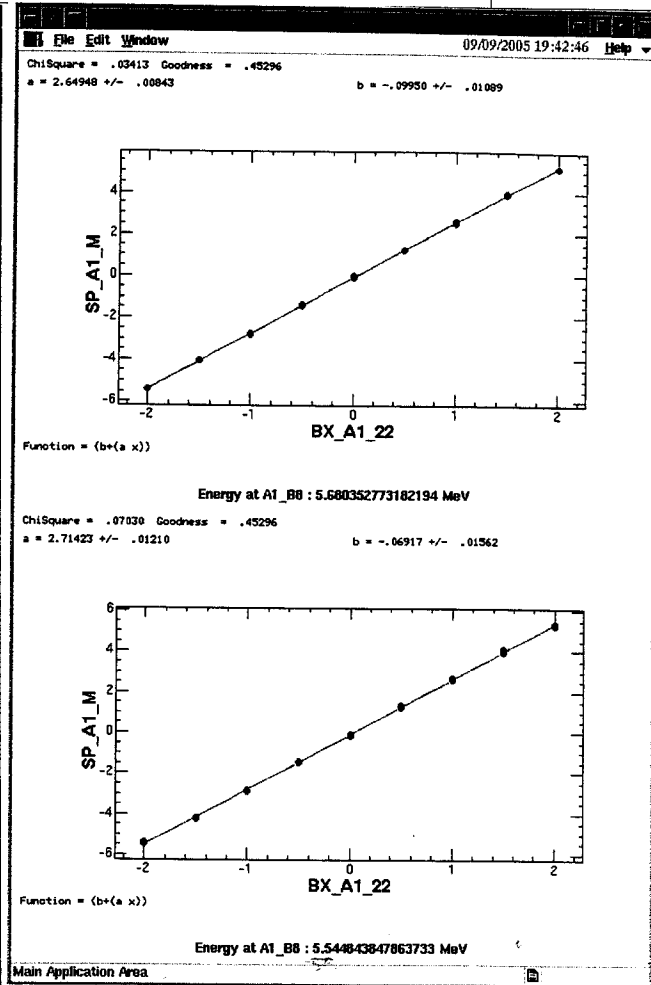
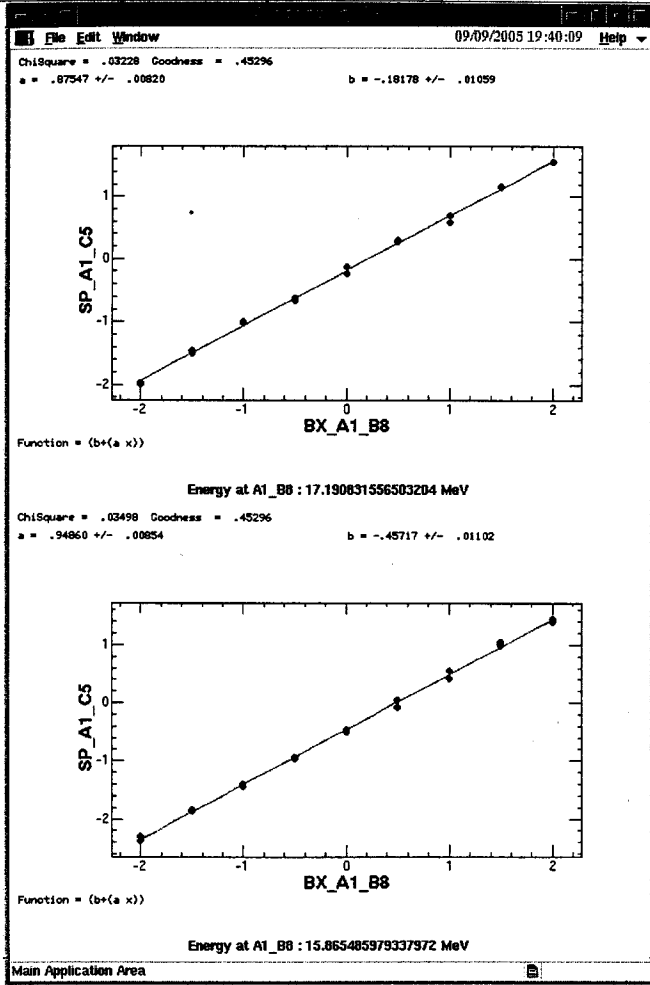
2bunch目 が太い.



1st Only

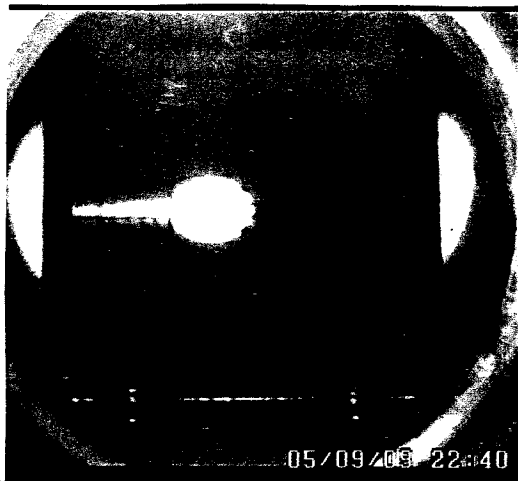
Two Bunch

Gun Delay 2.54ns



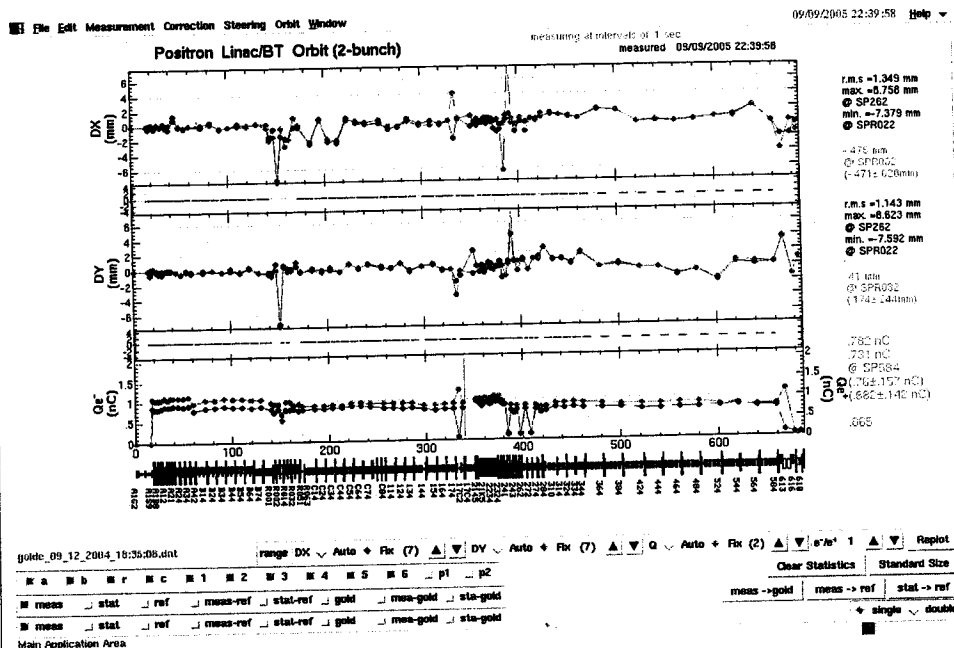
Gun delay 2.54 ns → 1.72 ns  
 KL-A1-RF 97491 → 元入

17.315 17.352



overall-A 49055 → 49042  
 overall-B 49104 → 49091

SC-RO-31





SP 61-H

File

Trigger Delays

22:54 v1.3.0

Toggle AB-sled	Toggle C1-sled	Toggle 25-sled	Toggle Monitor
	Reference	Current	Difference
	Sep09 17:49:47	Sep09 22:54:03	
└ KL_A1_RF	97491 ns	97491 ns	0
└ OVERALL_A	48901 ns	49042 ns	141
└ OVERALL_B	49112 ns	49091 ns	-21
└ OVERALL_C	50914 ns	50889 ns	-25
└ OVERALL_1	72934 ns	72889 ns	-45
└ OVERALL_2	72789 ns	72763 ns	-26
└ OVERALL_3	72721 ns	72724 ns	3
└ OVERALL_4	72840 ns	72833 ns	-7
└ OVERALL_5	72834 ns	72894 ns	60

Read Ref.	Read Cur.	-96.3	-17.5	-8.8	-1.75	+1.75	+8.8	+17.5	+96.3
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Delay-2  
1.70ns

