

Jan/10  
9:00

Chem Exp 終了

0.6nC の測定

電子銃の位置調整  $\phi A 21, 323.1V$

0.62nC の Sp10-4

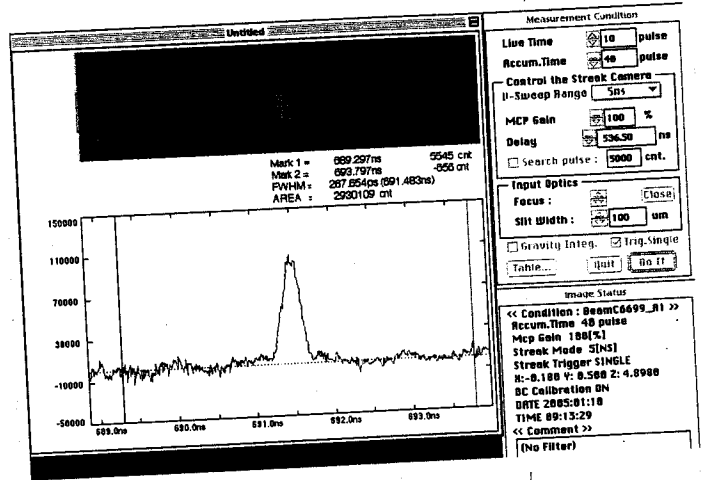
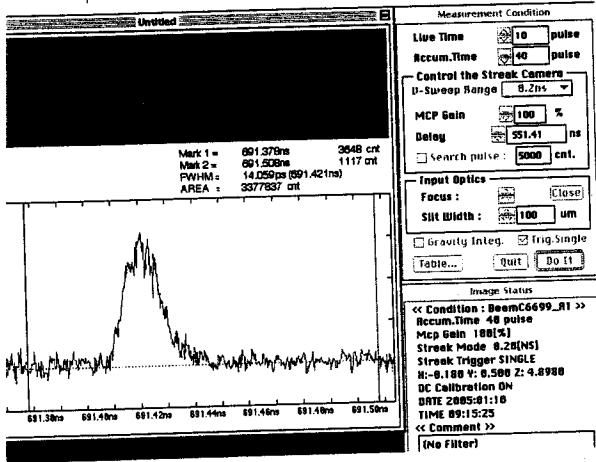
電子銃の位置調整

"050108-0.6nC" の Load

12 0.6nC の位置調整

9:15 -

ビーム長 計測



2/30

~~2/30~~ kly 2-2 95 → 130° に phamp の 位置調整

( Es 39 → 35.6 kV に調整した  
Vs の 調整は skipped of 73

SC-61-A1  
の位置調整

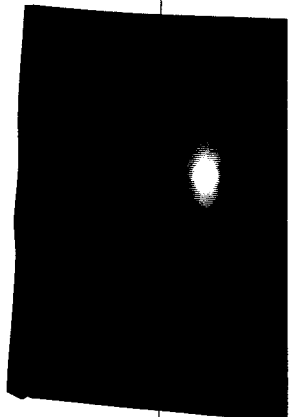
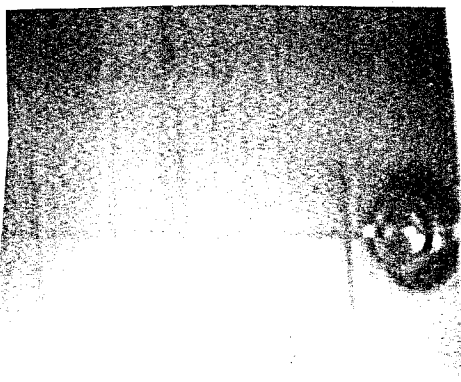
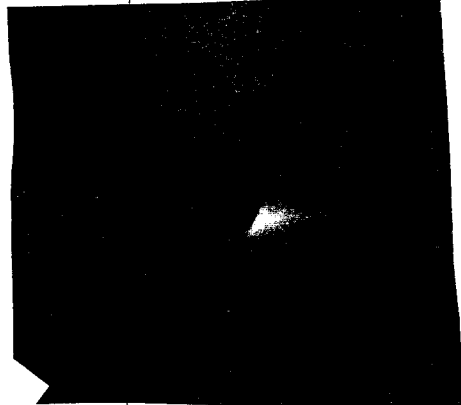
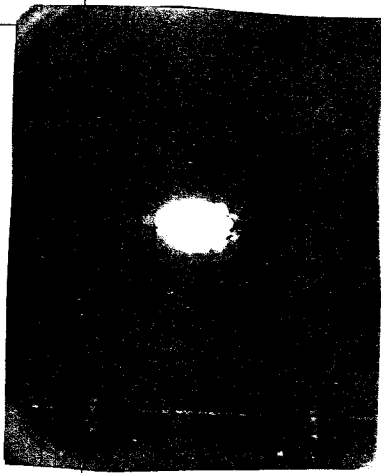
Energy knob 8.000 → 8.028 に調整した

SC-61-A1 の位置調整 途中に 調整した

SB-C ~ 4φ 98° → 96.0°

0.6ml 274ml

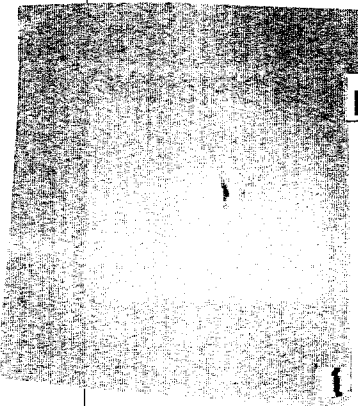
R0-31



61-A1

61-A2

61-A3

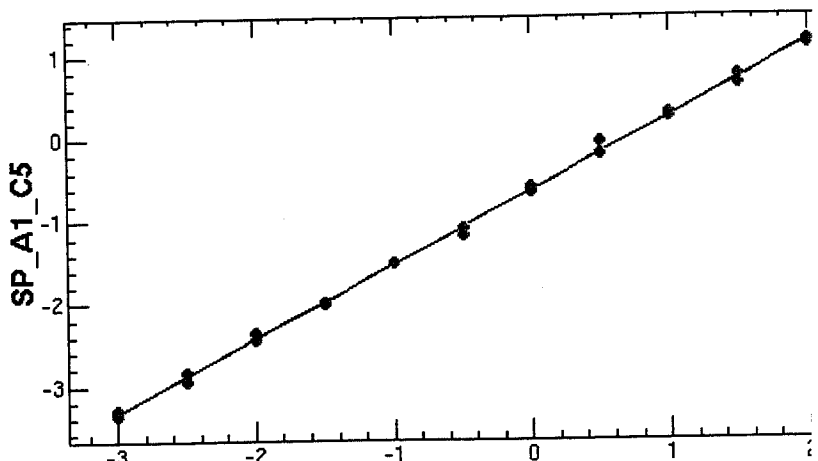


61-A4

File Edit Window 07/01/2005 12:31

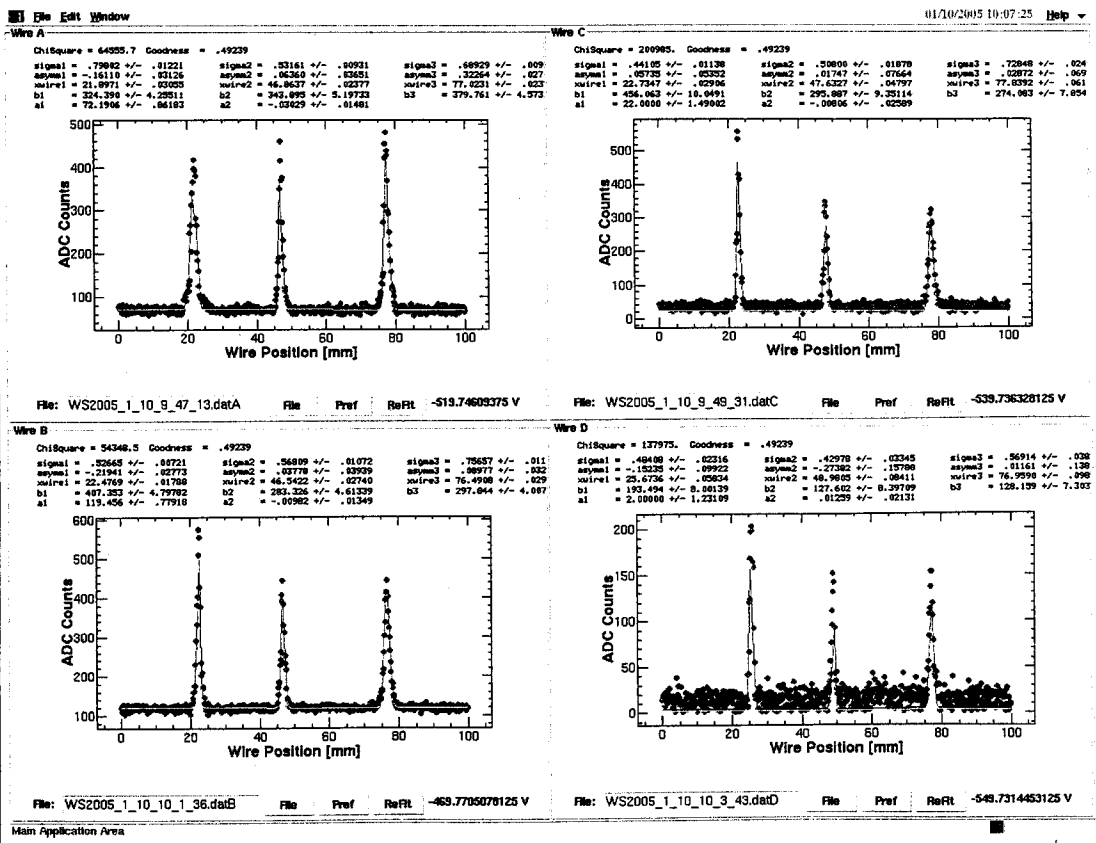
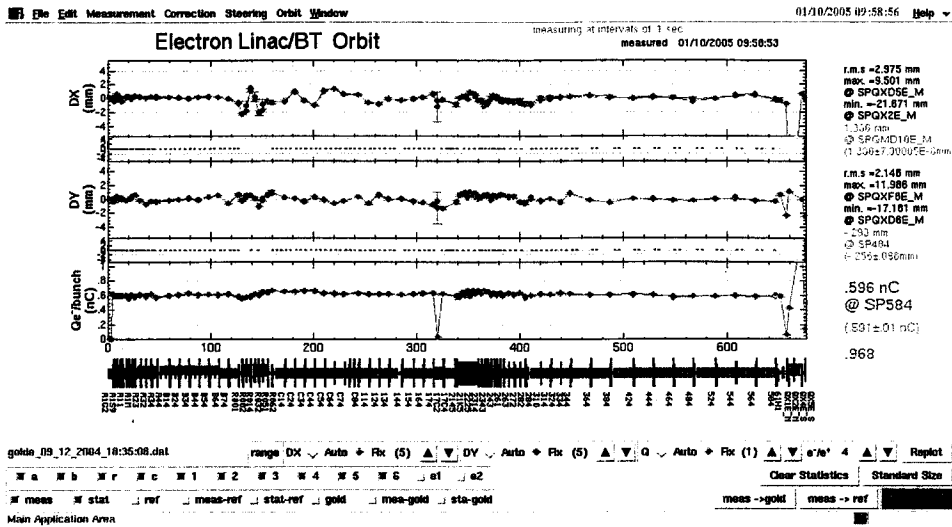
ChiSquare = .05676 Goodness = .45793  
a = .89449 +/- .00718 b = -.64166 +/- .01191

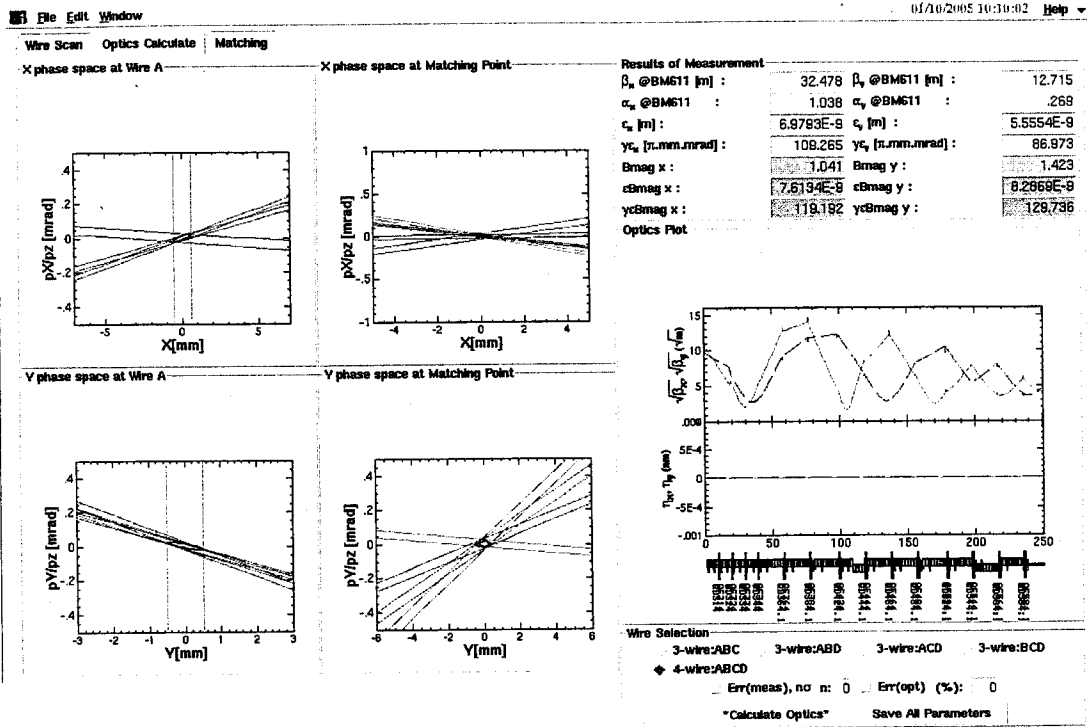
大電流



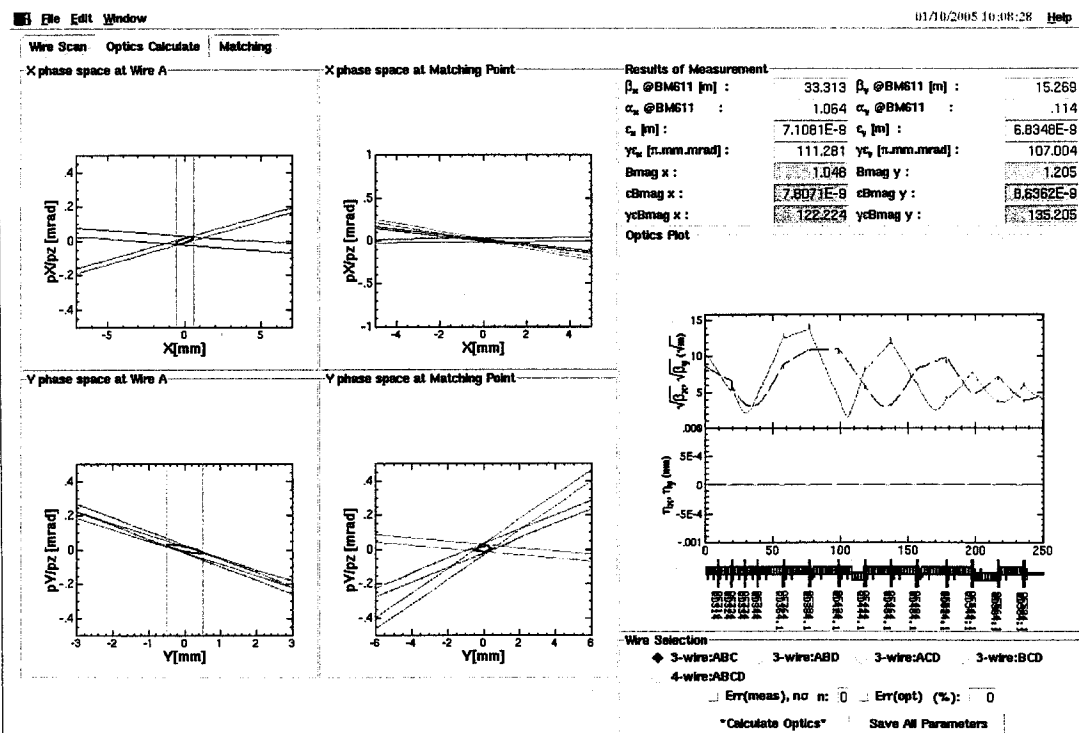
Function = (b+(a x))

Energy at A1\_B8 : 16.825212919486964 MeV

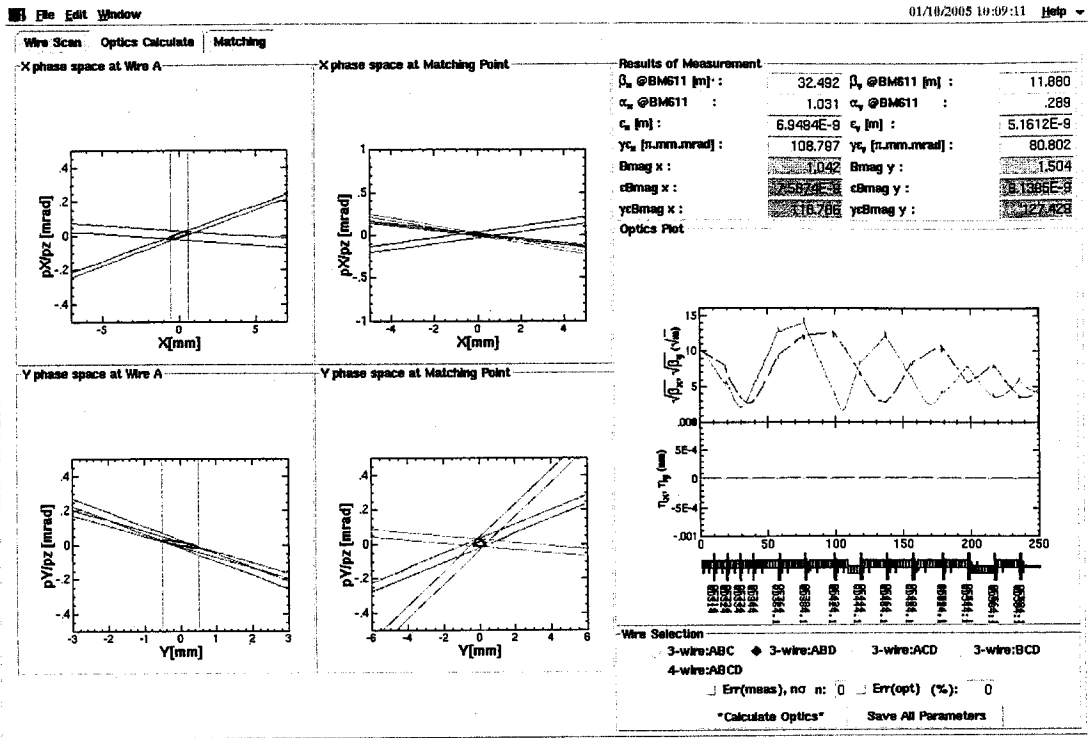




Qmag values were SAVED to /data1/KEKB/Wire/LINAC/sectors/KEKBdata/Gvalue/qname\_2005\_1\_10\_9\_42\_31.dat0



Qmag values were SAVED to /data1/KEKB/Wire/LINAC/sectors/KEKBdata/Gvalue/qname\_2005\_1\_10\_9\_42\_31.dat0



Optmag values were SAVED to /data1/KEKB/Wire/LINAC/sectors/KEKB/data/Ovalue/qname\_2005\_1\_10\_9\_42\_31.dat0

2005. Jan. 10  
13:10

②nC E-4 調整

① Channing 実験の装置を E-4 調整中に放射化U<sup>235</sup>のように ECS 初相。

$BM_{6L1} = -366.300 \text{ A} \rightarrow 0 \text{ A}$   
 $BM_{6L2} = +375.458 \text{ A} \rightarrow 0 \text{ A}$

② E-4 調整中に E-4 調整のために

$BS_{6L1} = 0 \text{ A} \rightarrow -1.35 \text{ A}$   
 $BS_{6L6} = 0 \text{ A} \rightarrow 0.940 \text{ A}$

SC<sub>6L6</sub> 調整中に C<sub>3</sub> 調整  
SC<sub>6L72</sub>

③ 0.6nC E-4 に対応

Gun bias		Q584	
323.1 V	ΦA21	0.61nC	
300.0 V	Φ96A	1.00nC	
254.4 V	Φ7FC	1.76nC	2.50nC @ AIG2

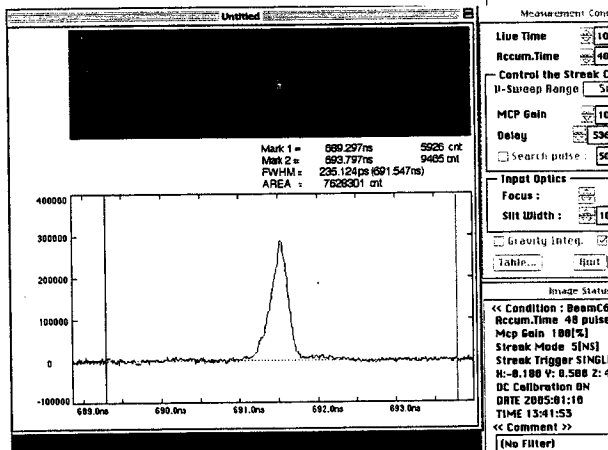
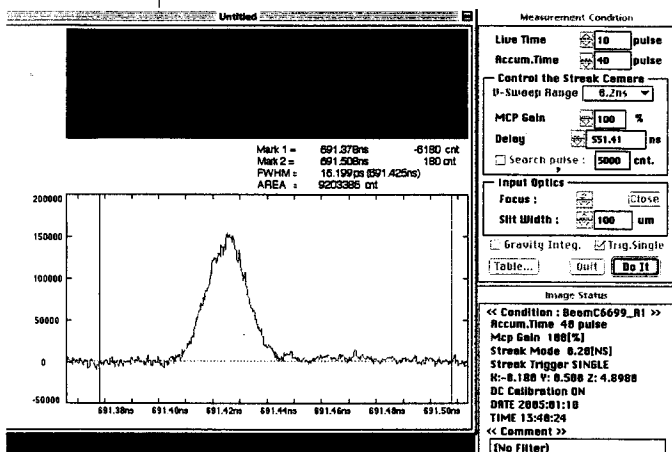
④ J-arc energy FB E-4 調整中に ON

$\Delta\phi_{SB-A} \quad 98.5 \rightarrow 94.5 \quad (\Delta\phi = -4.0^\circ)$   
 $\Delta\phi_{SB-B} \quad 98.5 \rightarrow 94.5$

⑤ 軌道補正 手動による調整 (Global orbit 補正 7/7 不調)

Q584 ~ 1.86nC

- ⑥ Gun bias 微調 249.1V  $\phi$ 7D1. 6500 ~ 1.96nC
- ⑦ Bunch length 測定



⑧ Wire Scanner 測定.

図は次ページに

⑨ ECS magnet 初期化.

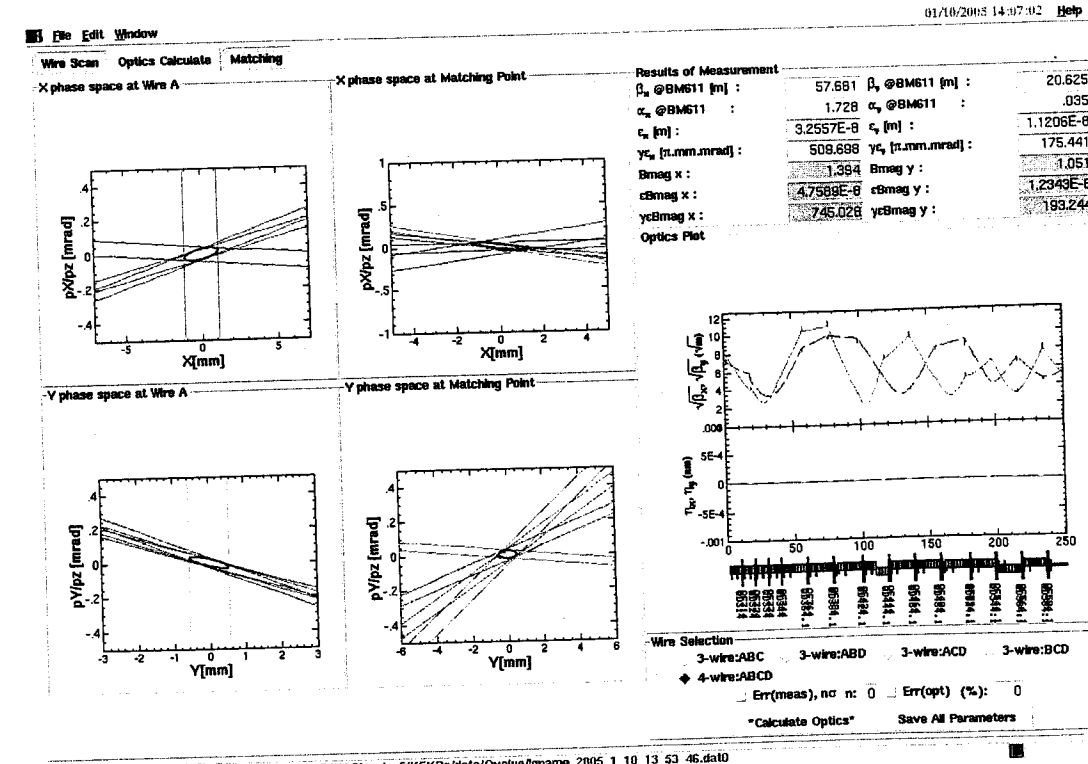
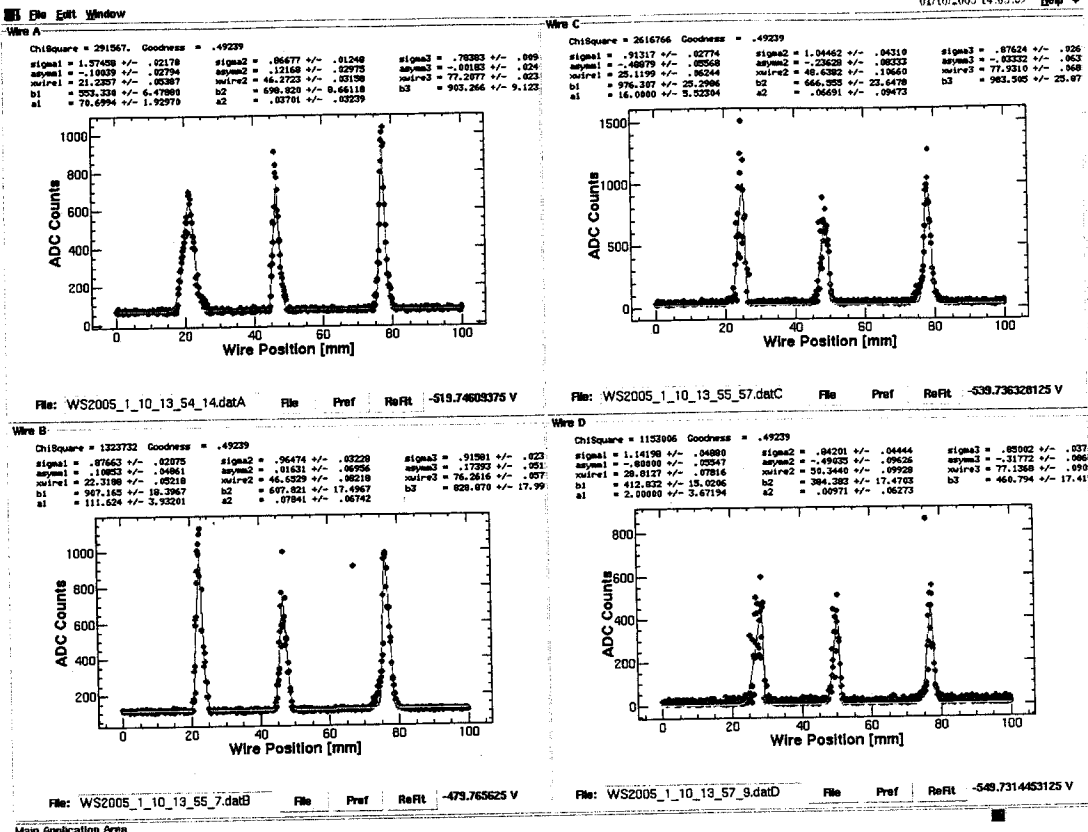
値は BS-6L1  $\rightarrow$   $\phi$  AI: F148  
 BS-6L6  $\rightarrow$   $\phi$  AI: "

初期化 1-1' 回す "ECS energy change" 70575c

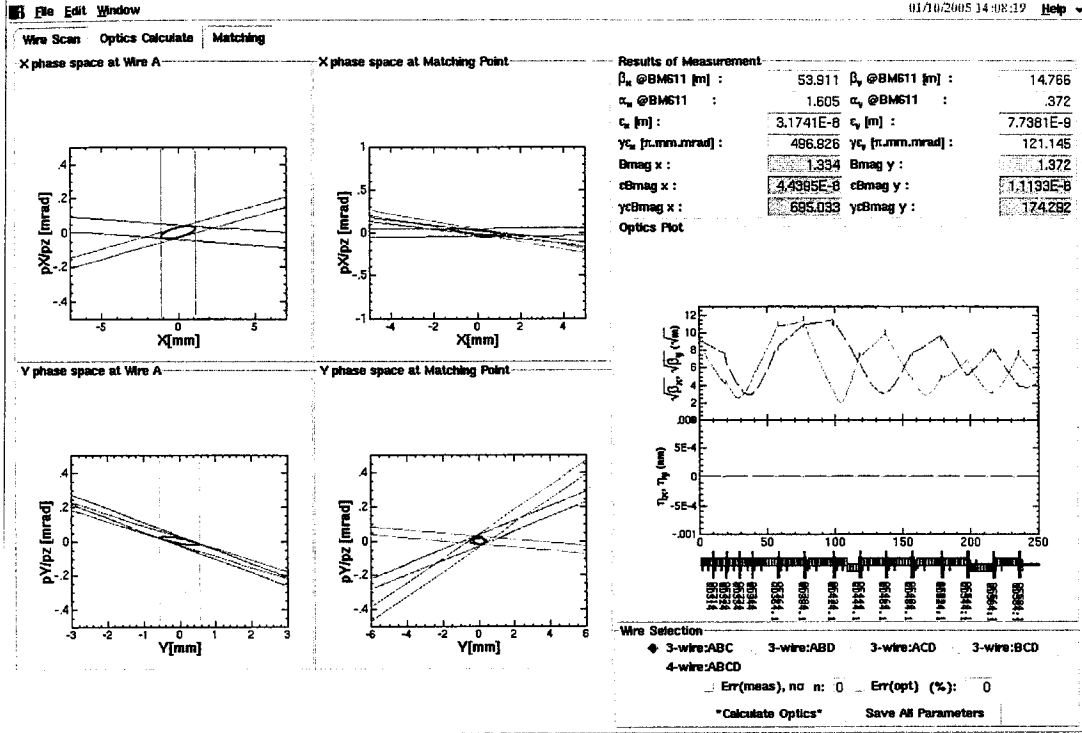
⑩ Energy spread

$\phi$  SB-C. 1. 2. 3. 4  $\bullet \Delta\phi = -4.0^\circ$

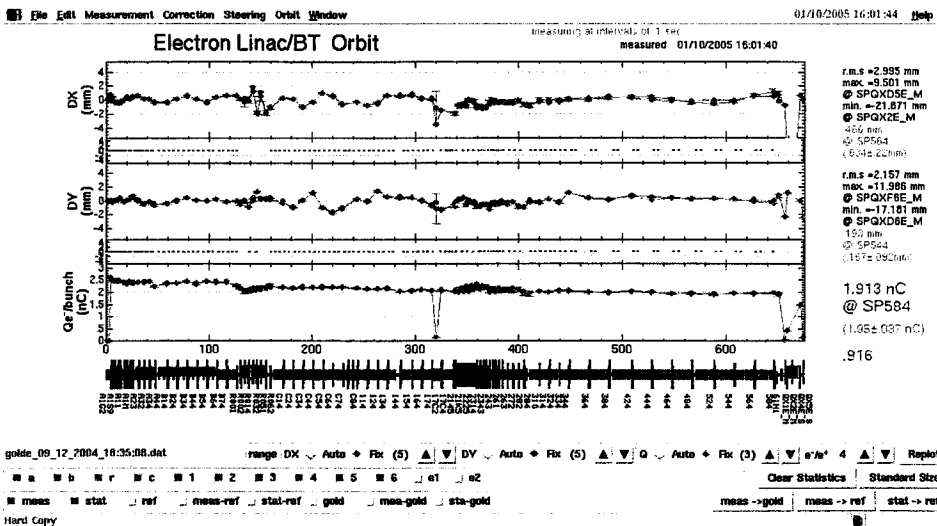
軌道 @ 5-sector 後半  
 が変化するよう  
 図は?



Qmag values were SAVED to \data1\KEKB\Wire\LINAC\sectors\KEKB\data\Qvalue\qmag\_2005\_1\_10\_13\_53\_46.dat0



Omag values were SAVED to Adata1/KEKB/Wire/LINAC/sectors/KEKB/data/Omag/Aqname\_2005\_1\_10\_13\_53\_46.dat0

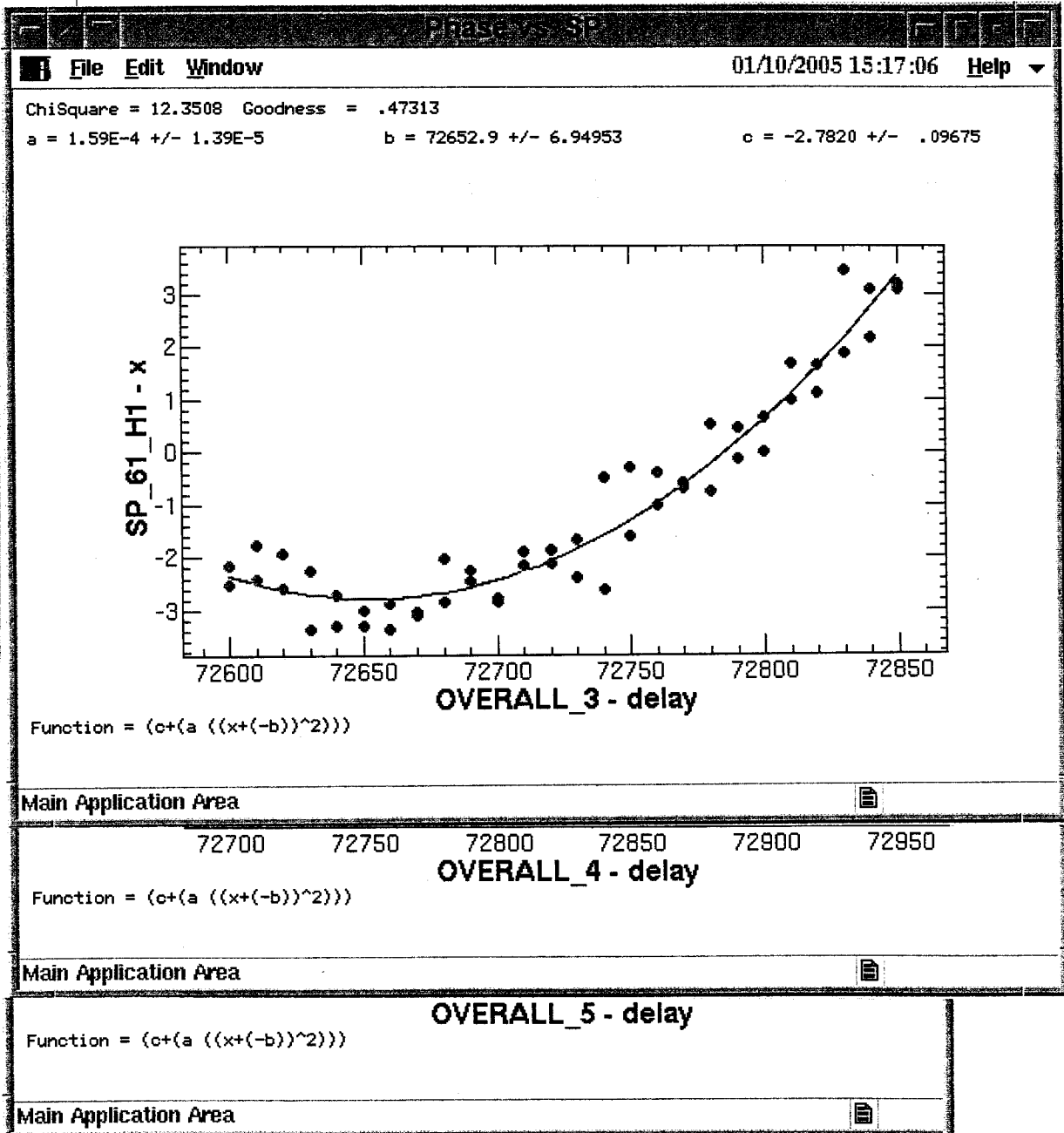




① Energy jitter 問題

SC-61-A4 の position が jitter だ  
 SC-61-A2(h)           "           "  
 SC-R0-31               "           "

⇒ Energy が jitter だ  
 ⇒           "           "



- 古いG E-4タイニシ系 (A, B-sector) の現品測定. → 異常なし
- BS E STAND-BY に絡む jitter 減?
- SLEDのタイニシ E A, B ⊕ C. 1. 2. 3. 4. 5 全2 -53 ns がセット  
 ↳ jitter が減ったおに思われる.  
 かつ SC-61-A4 2の spot は変動中.
- S13の QM 調整 achromatic 条件  
 QD-61-A1 9.462 → 8.274  
 QF " 9.538 → 8.530  
 ↳ 一は SC-61-A4 上の 位置は 変動動なくなった.  
 形状は 変化する wake field の影響か?

④ Wire Scanner

