

173

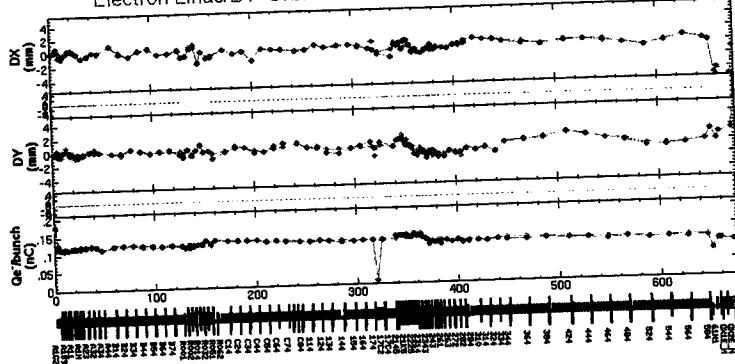
17:25

File Edit Measurement Correction Steering Orbit Window

12/17/2002 17:25:29 Help

Electron Linac/BT Orbit

measured 12/17/2002 17:25:29



r.m.s = 2.144 mm
 max = 12.465 mm
 @ SPQXF3E_M
 min = -6.242 mm
 @ SPQAF3E_S

r.m.s = 1.942 mm
 max = 3.267 mm
 @ SPQX5E_S
 min = -12.563 mm
 @ SPQAF3E_S

1.12 nC
 @ SP564

030

range DX Auto + Fix (5) DV Auto + Fix (5) e/n⁴ 4 Report

make 03 18 2002 2002/12/17

mean stat ref mean-ref stat-ref gold mean-gold sta-gold

Clear Statistics Standard Size

mean -- gold mean -- ref stat -- ref

Hard Copy

2003.02.24 e⁻ current 増 Study

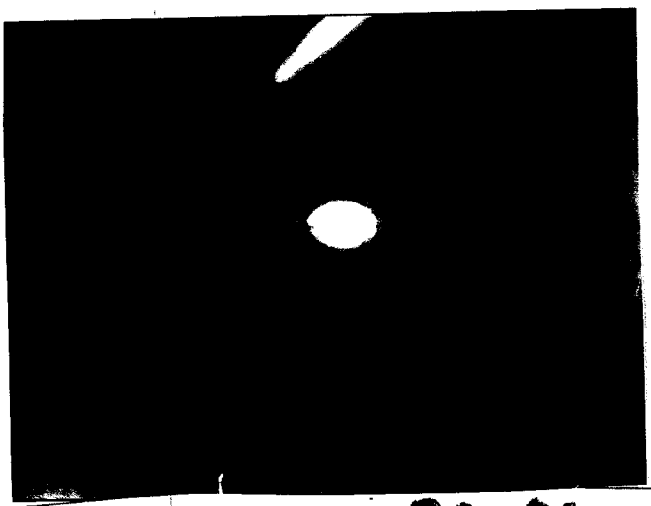
10=30

Gun Bias
 474.85 (DAC) (0919) 308.3V (ADC)
 470 (0990)
 0980
 0960
 0940

0.674 @ P Tend.
 0.711
 0.721
 0.808
 0.864

0.674

調整前 a スリ ->

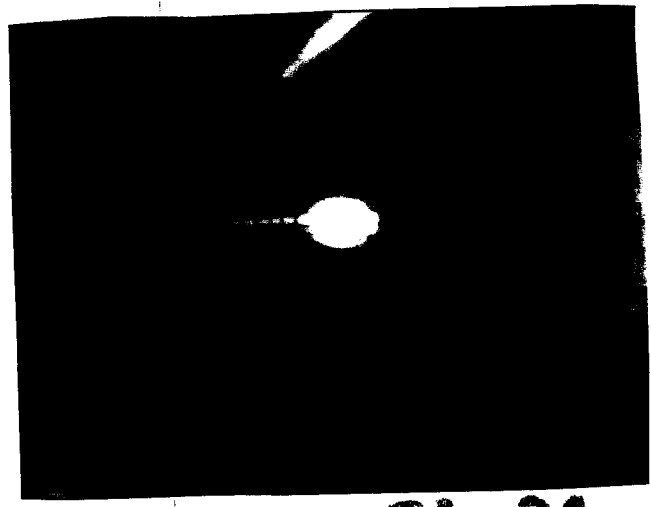


R0-31

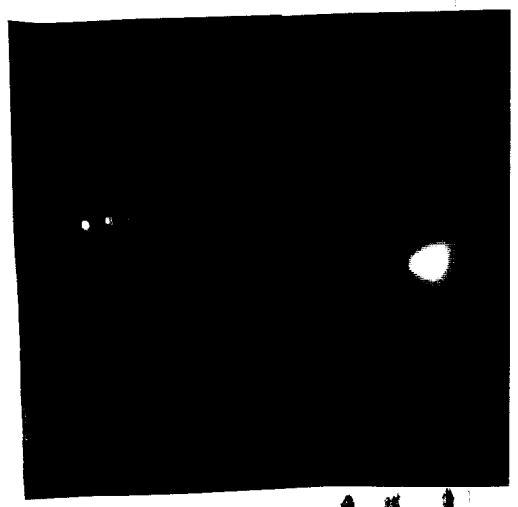


61-h

調整後 a スリ ->



R1-31

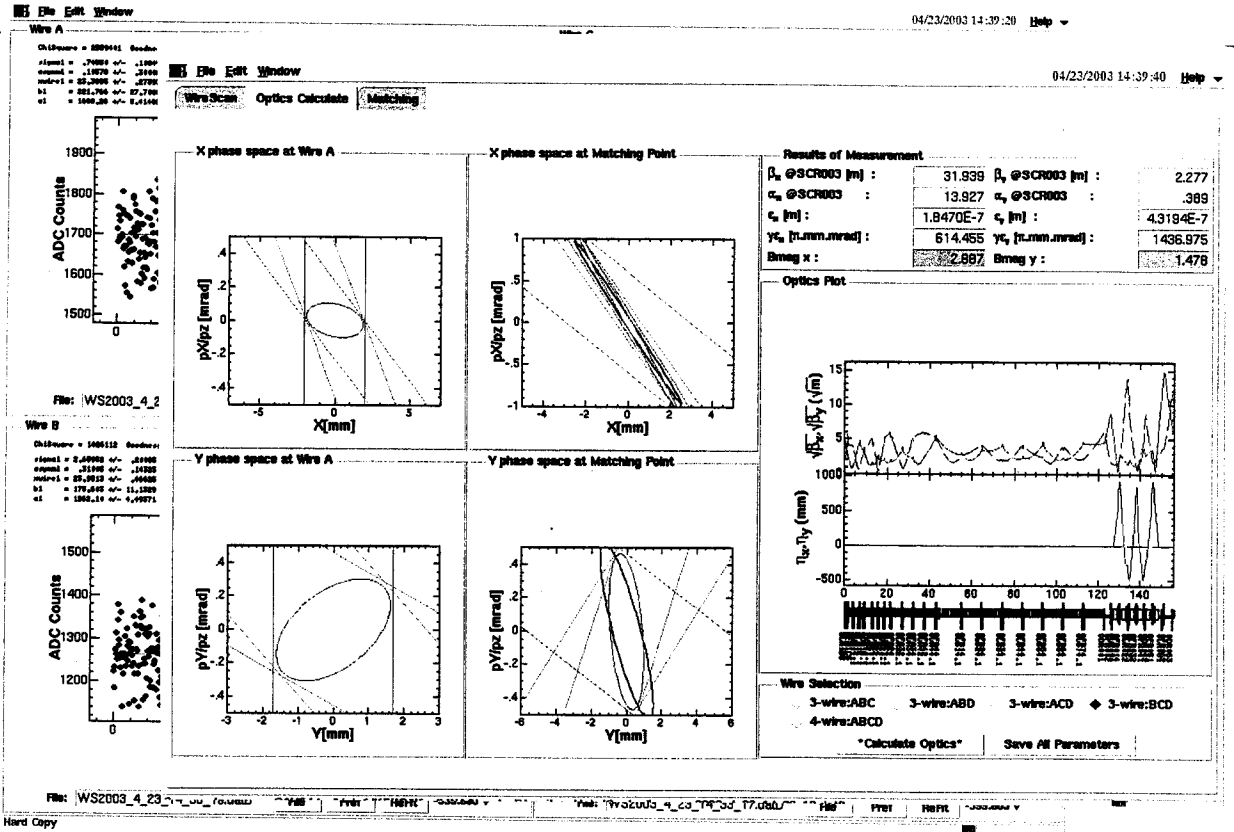


61-h

175

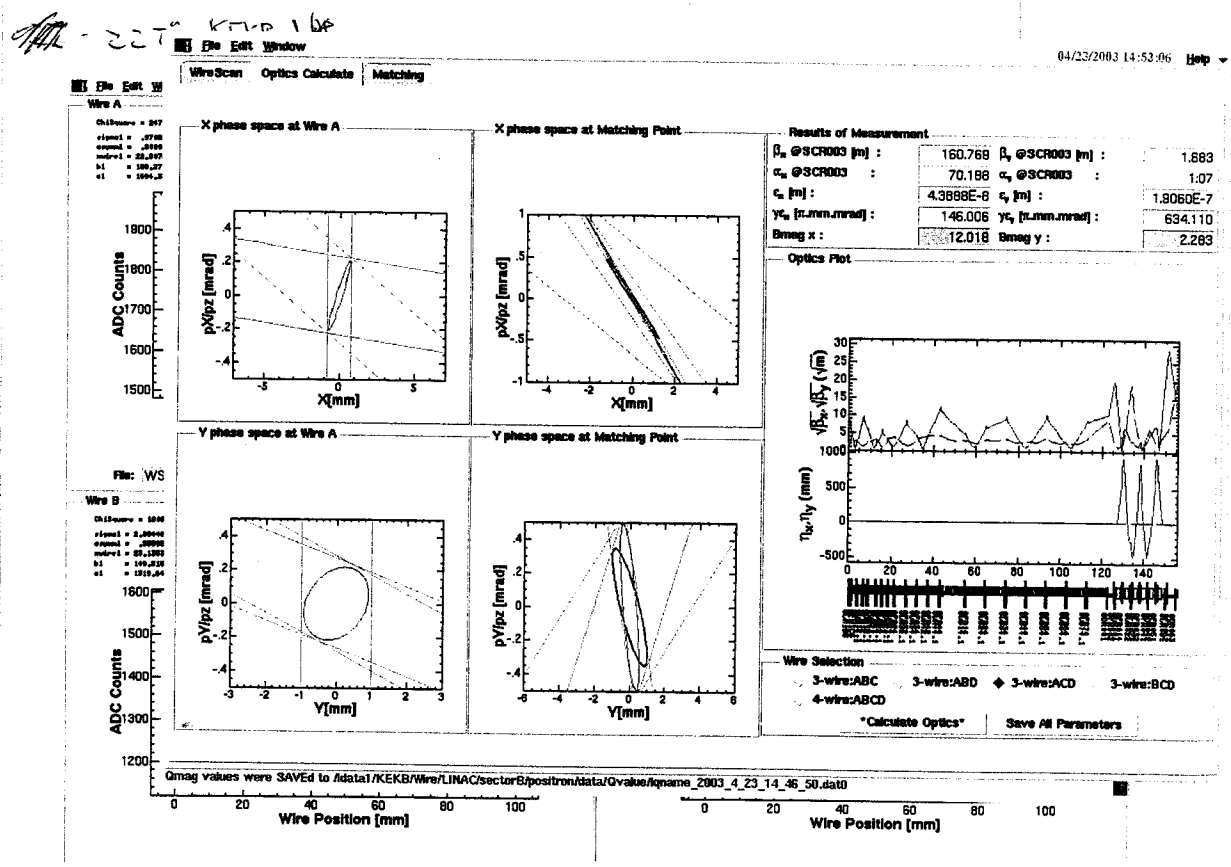
03/4/23(木) WS 調整 14:30~

et
Bsator
2 bunch
の
1st

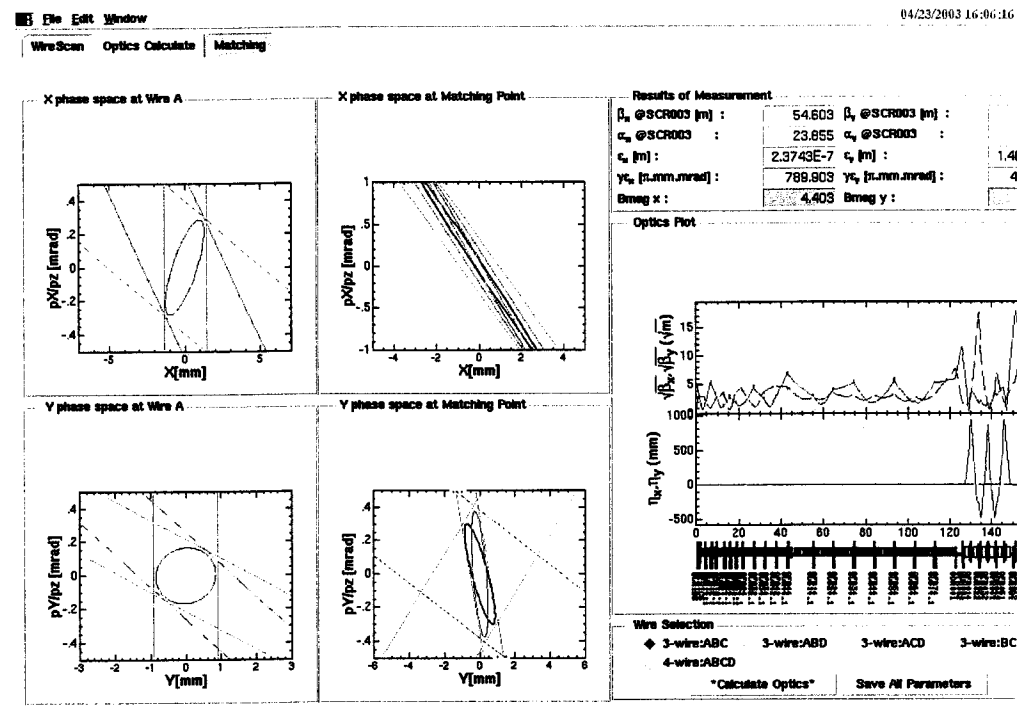
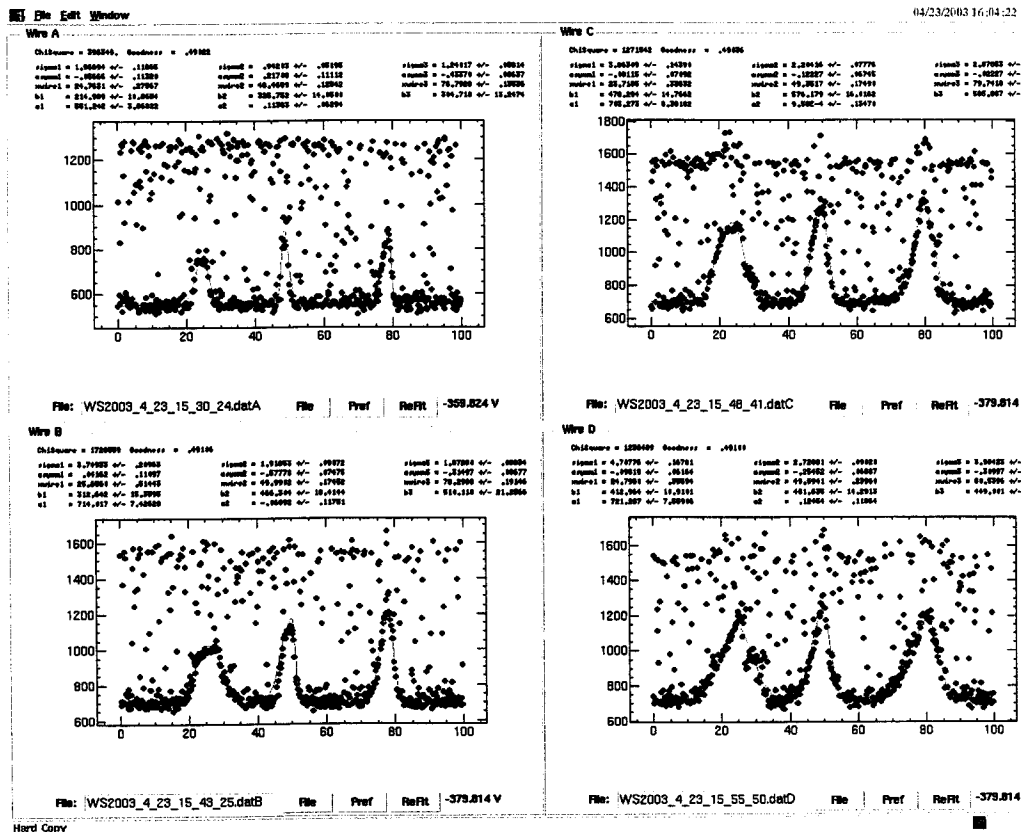


04 wires は計算不可だ

1st only
1st.

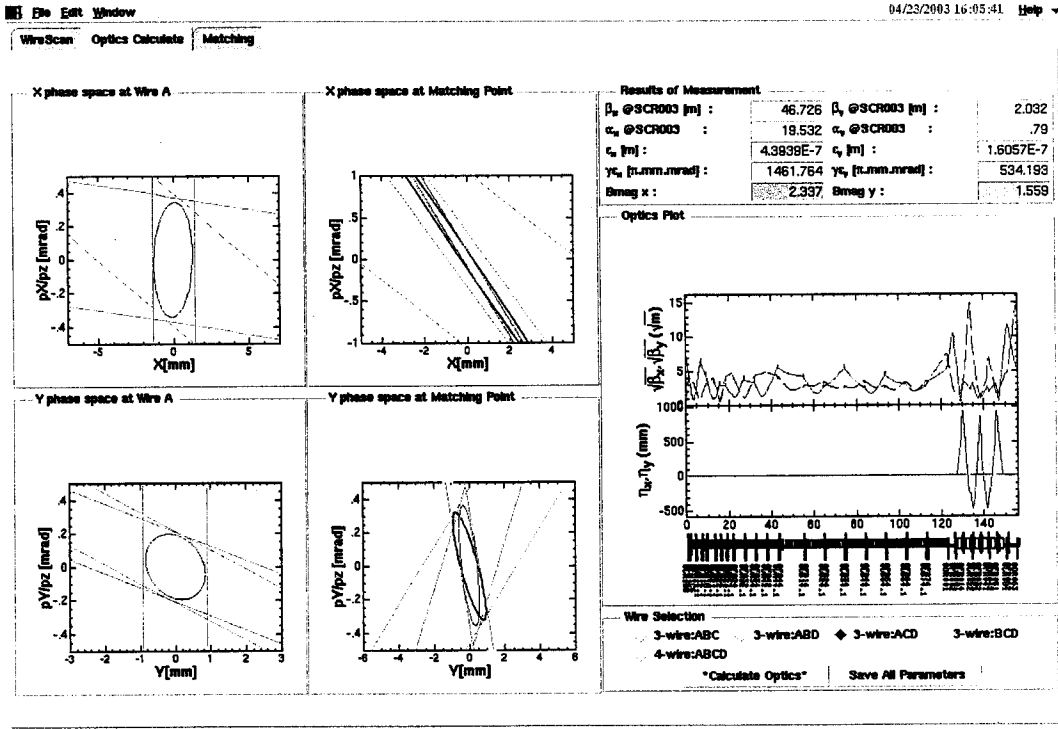
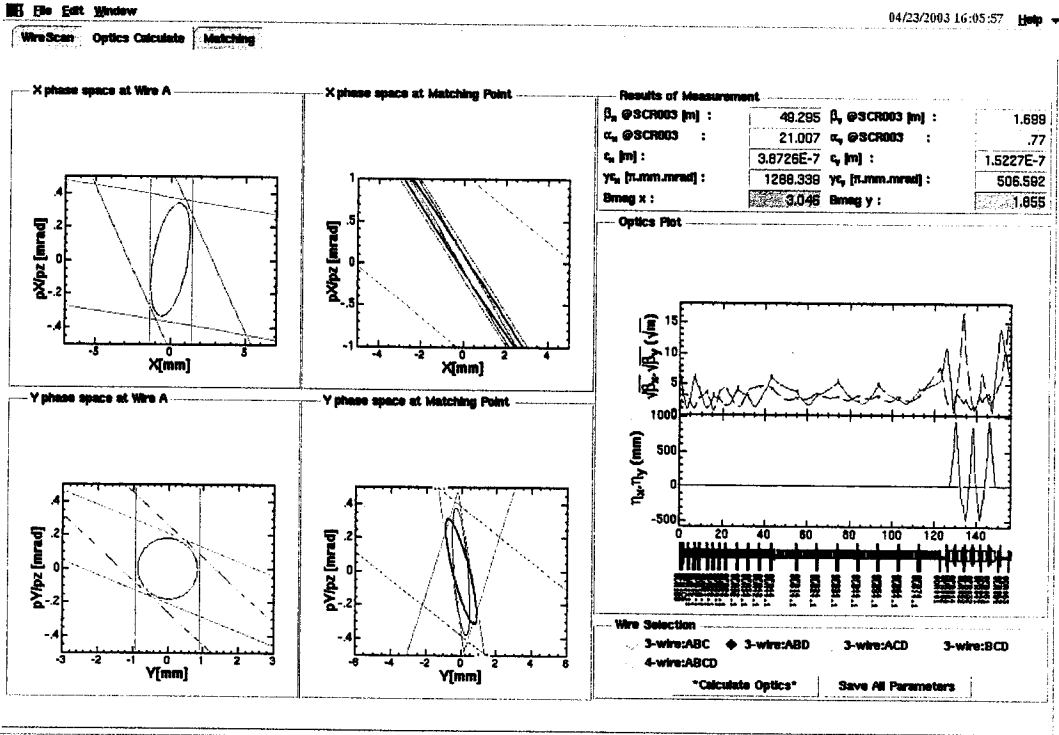


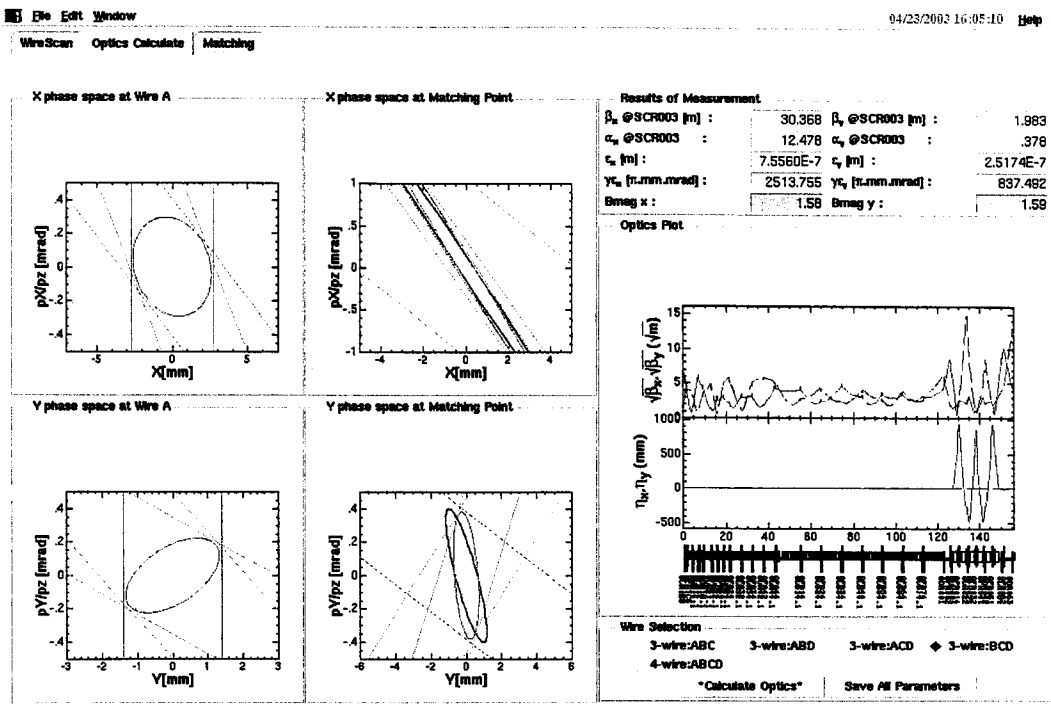
2 punchy
2nd



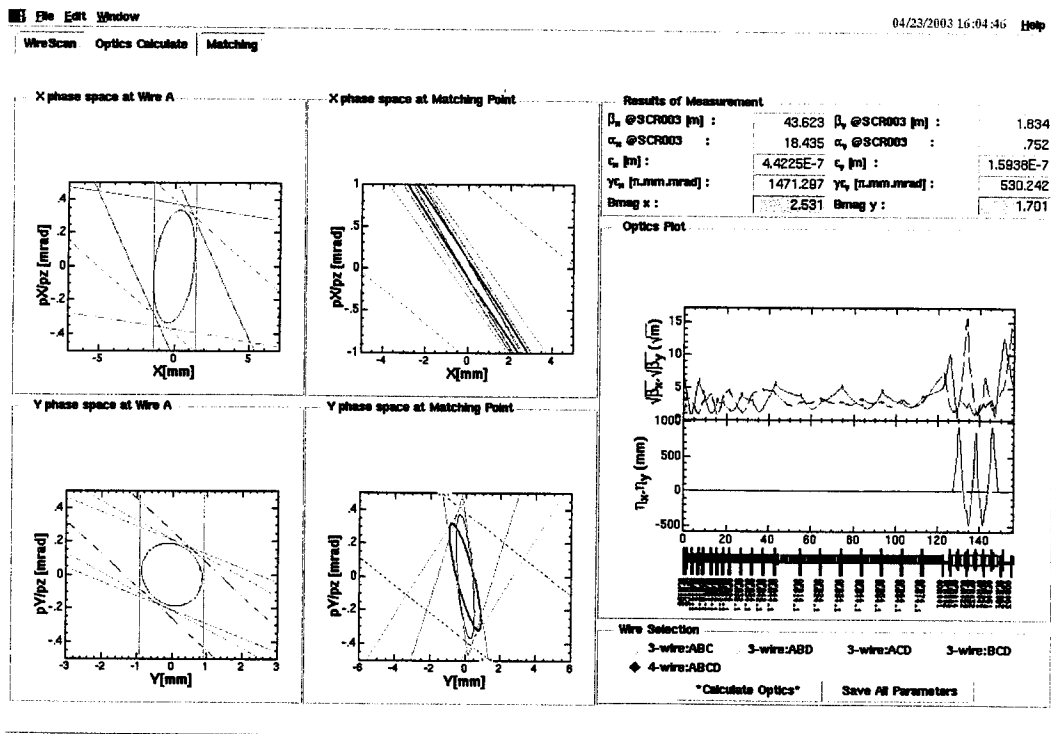
Qmag values were SAVED to tdata1/KEKB/Wire/LINAC/sectorB/positronData/Qvalue/qname_2003_4_23_14_54_56.dat

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Omaga values were SAVEd to Adata1/KEKB/Wire/LINAC/sectorB/positron/data/Qvalue/qname_2003_4_23_14_54_56.dat0

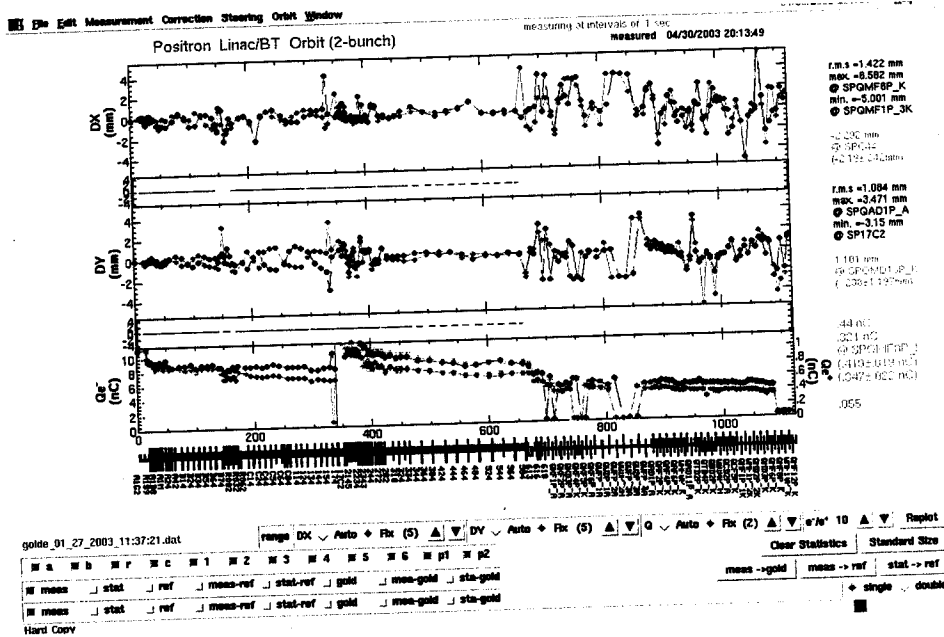


Omaga values were SAVEd to Adata1/KEKB/Wire/LINAC/sectorB/positron/data/Qvalue/qname_2003_4_23_14_54_56.dat0

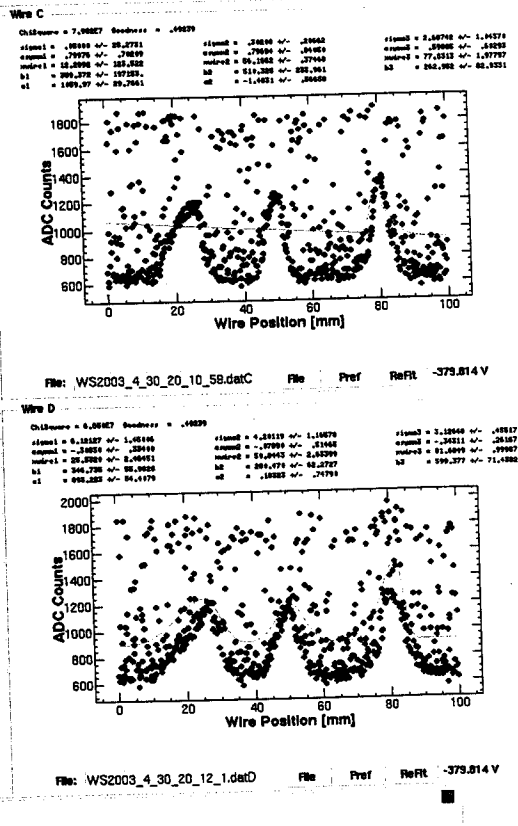
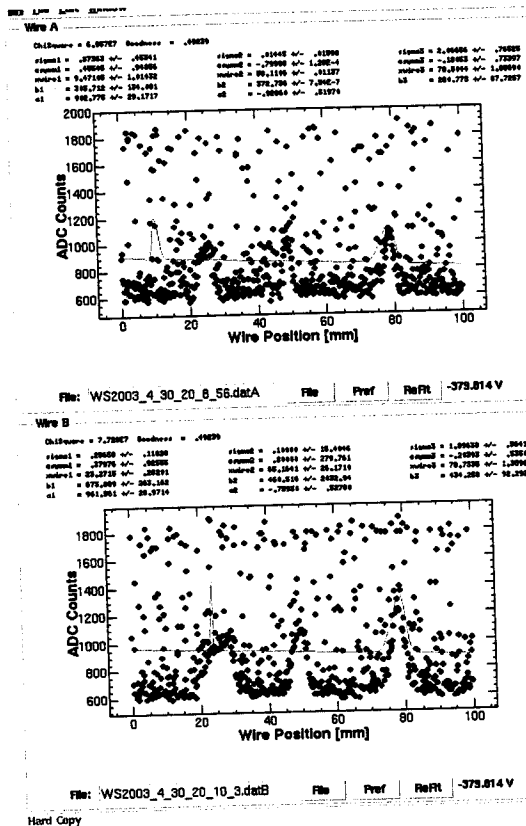
179

203/4/30(水) 20:45

(e)の2bunch
WS-Bで測定。
Fitできない。
Qでしほりのみが
やはり測定不可



QR/Q_BL4
3.551



File Edit Window

WireScan Optics Calculate Matching

X phase space at Wire A

X phase space at Matching Point

Y phase space at Wire A

Y phase space at Matching Point

Results of Measurement

β_x @SCR003 [m] :	0	β_y @SCR003 [m] :	
α_x @SCR003 :	0	α_y @SCR003 :	
c_x [m] :	.000	c_y [m] :	1.07
γ_x [n.m.m.mrad] :	.000	γ_y [n.m.m.mrad] :	35
Bmag x :	0	Bmag y :	

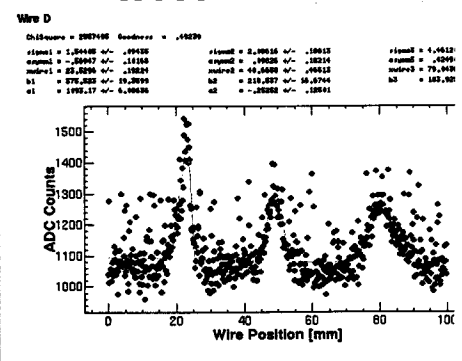
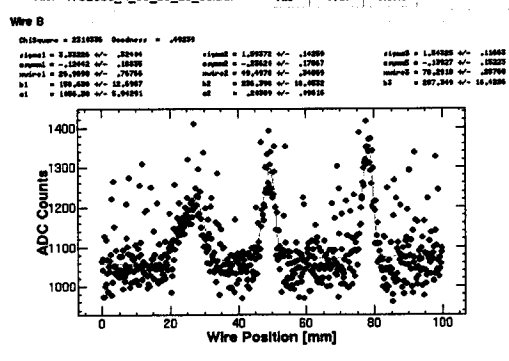
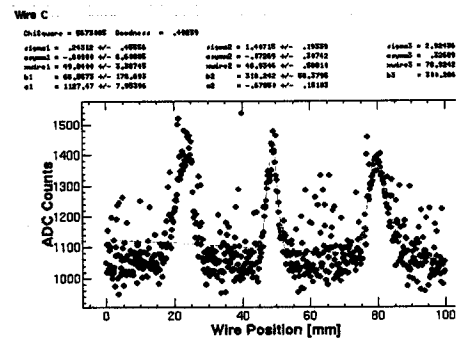
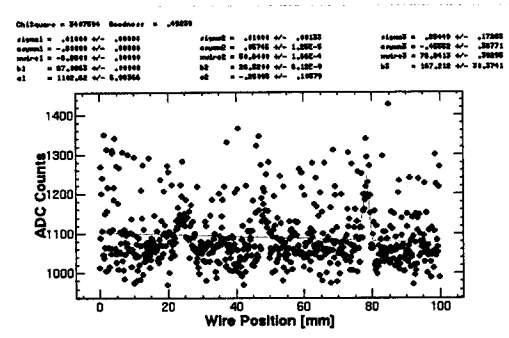
Optics Plot

Wire Selection

3-wire:ABC
 3-wire:ABD
 3-wire:ACD
 3-wire:BCI
 4-wire:ABCD

Q12/A/B/C/D
2.984

↑
このワイヤは調整不可



2003.09.19 Channeling用ビーム調整

ページ 171 参照

今回は kly-BS 使用なので。エネキ- knob は片手

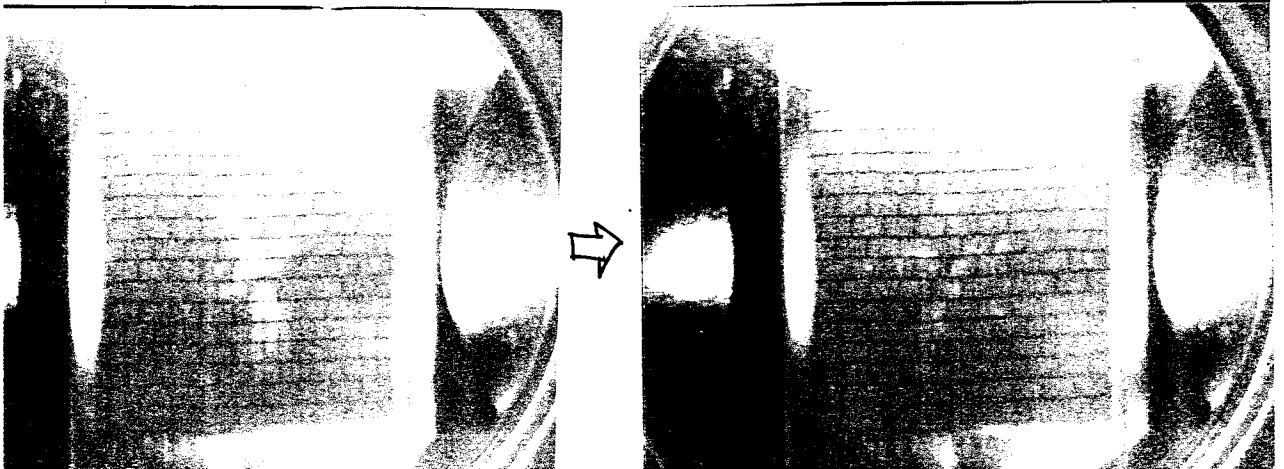
- ① $\phi_{B6} = 42.0^\circ \rightarrow 36.0^\circ$ (338)
- ② Gun Parameter (0.2nC/F) (020901 - 0.2nC) \rightarrow 実際には 0.1nC
- ③ SC-A1-G1 確認 5.3A \rightarrow 4.7A (木根を指す)
- ④ $\phi_{B4} = 85.0^\circ \rightarrow 90.5^\circ$ (ヒター電圧変更に伴う) (Grid Emission 減す)
- ⑤ $\phi_{SB-A,B}$ $\pm 6.0^\circ$ \pm J-arc \pm の $\frac{\Delta E}{E}$ \pm 1% 程度
- ⑥ $\phi_{SB-C.1.2.3.4.5}$ (復元)
- ⑦ Energy Feedback @ J-arc と @ 6LH1
- ⑧ 6LAI 調整

BS-6L-A1	-0.842	\rightarrow	0.0
BX-6L-H1	-7.504	\rightarrow	0.0
SC-6LAI 現	BM-6L-A1	0.	\rightarrow 188.181

 SC-6LAI 2 枚中
- ⑨ SC-6L-A2 \pm Energy Spread 絶対値
 $\phi_{SB-C.1.2.3.4.5}$ 元の値。
- ⑩ SC-6L-A3 \pm 軸中に合わせる。 BS-6L-A2 0 \rightarrow -5.0A
- ⑪ SC-6L-A3 \pm spot を (ぼり) 方。 achromatic にする
 QD-6L-A1 = 0 \rightarrow 7.000
 QFI " = 0 \rightarrow 7.427 \rightarrow 7.949
 4.7 AF 1% 程度。

① kly-BS を STOP にする。
 ② Es up 中の kly の Auto Es up 止まる 51 と 43

Grid Current 5-318 の値



最後にロードされたパラメータ **020901-0.2nC**

	16ビット DAC	ADC
ヒーター電圧		9.0V
◆ ヒーター電流	07A0 4.68A	4.73A
◇ バイアス電圧	0A00 581.5V	345.3V
◇ DELAY-1	0855 1.315ns	0.785ns
◇ DELAY-2	0D5D 2.540ns	1.911ns
◇ パルス電圧-1	0000 0.30kV	0.30kV
◇ パルス電圧-2	0000 0.30kV	0.30kV

2.12 r. 3A.

