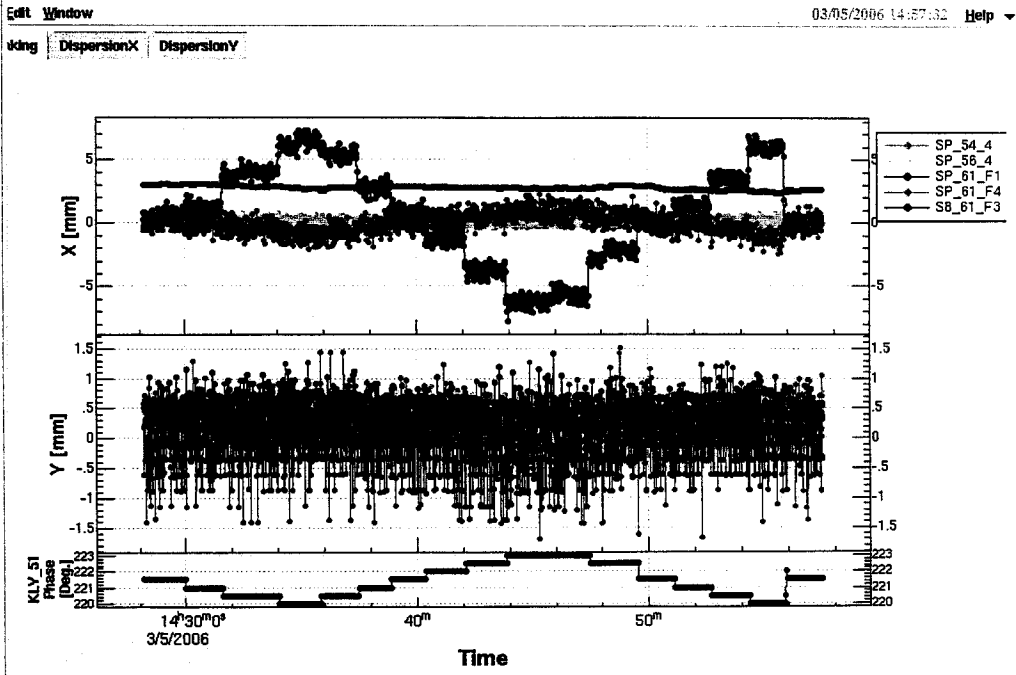


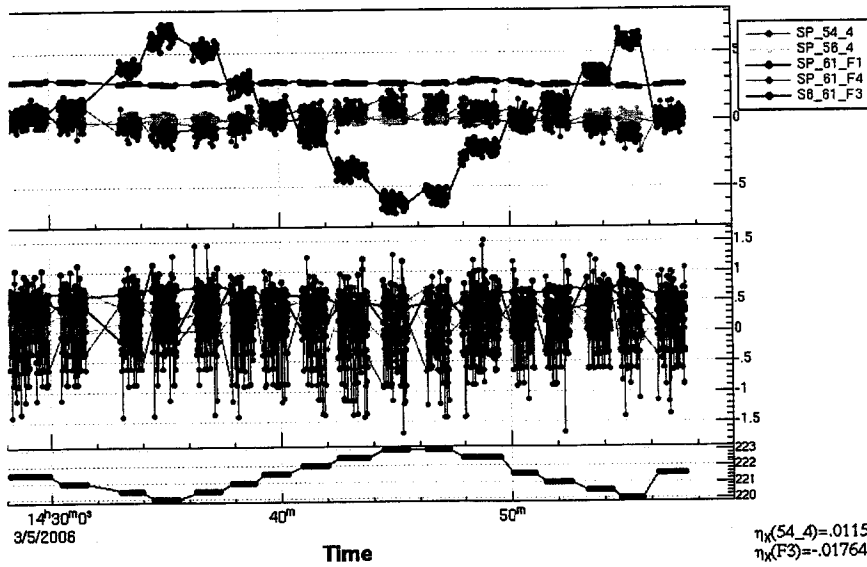
2回目測定開始 "BPMdata20060305_142810.dat"

14:28

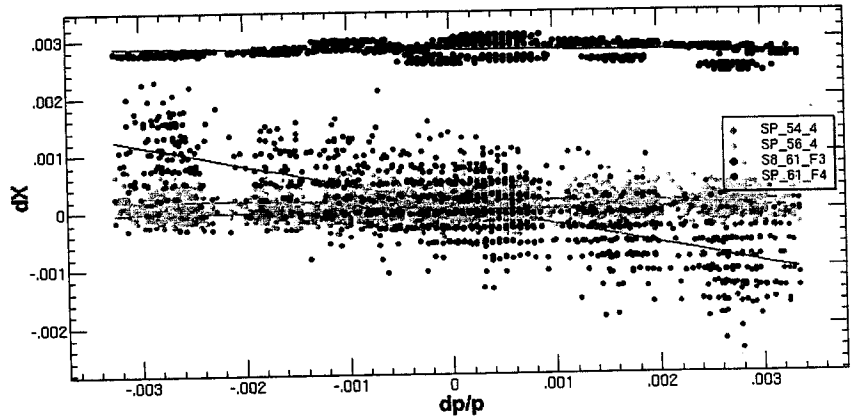
$E = 2.450$
 2.453
 2.456
 2.459
 2.456
 2.453
 2.450
 2.447
 2.444
 2.441
 2.444 (2度抑L.)
 2.441
 2.450
 2.453
 2.456
 2.459
 2.450



DispersionY

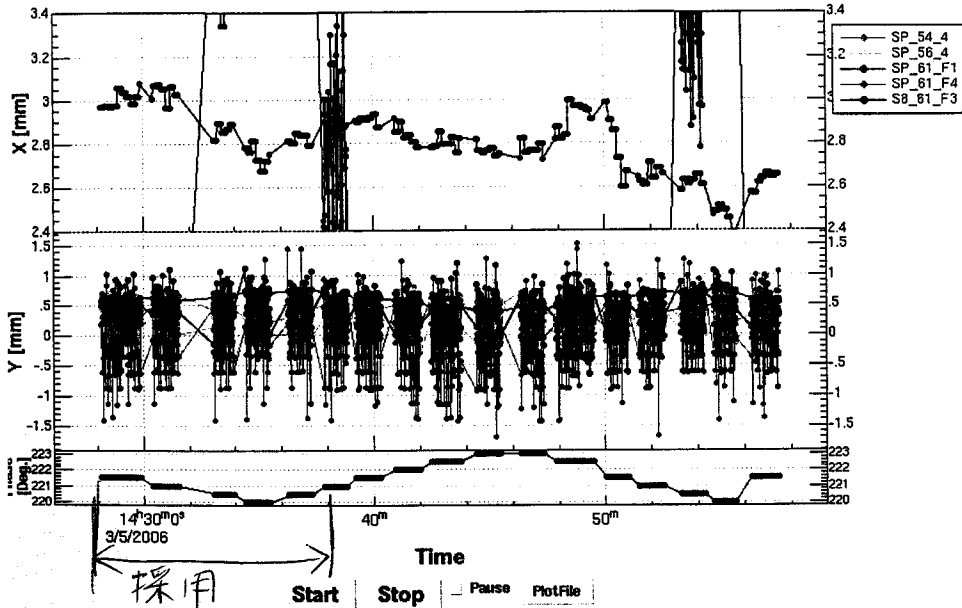


$\eta_X(54_4) = .01157 \pm .00251$, $\eta_X(56_4) = -.00654 \pm .00399$
 $\eta_X(F3) = -.01764 \pm .0026$, $\eta_X(F4) = -.3471 \pm .00917$



Endow

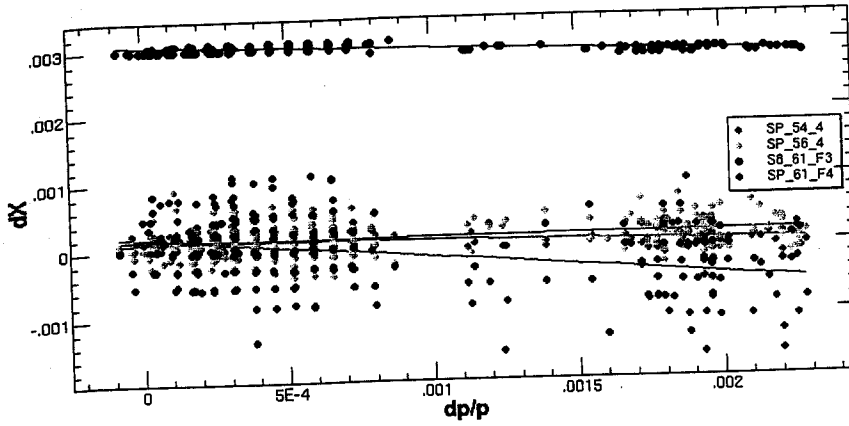
DispersionX DispersionY



採用

13

$\eta_x(54_4) = -.04617 \pm .01056$, $\eta_x(56_4) = .03413 \pm .0209$
 $\eta_x(F3) = -.09111 \pm .00403$, $\eta_x(E4) = -.31719 \pm .04467$



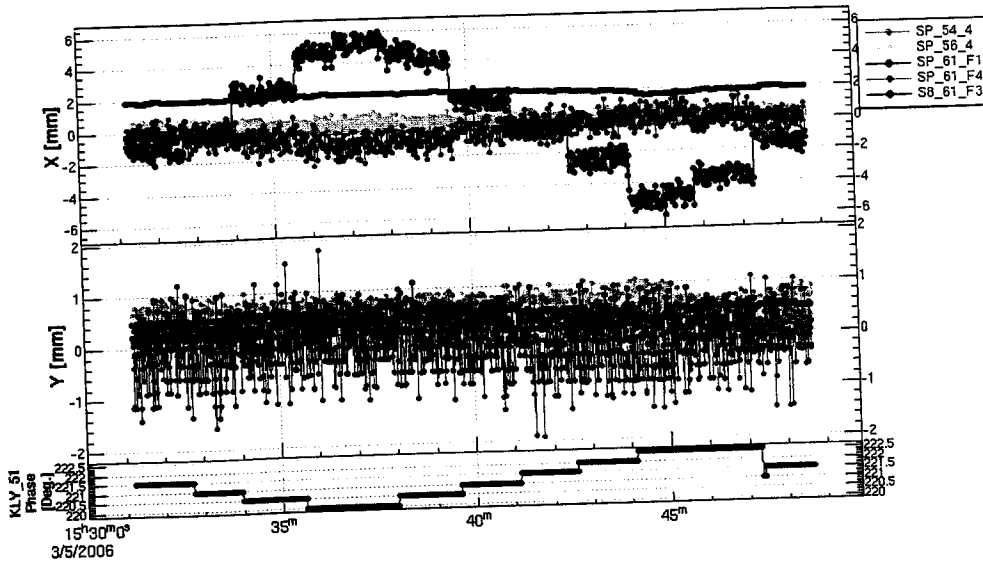
$FF = (1.038847 \times 1.02007)^{-1} = (1.059697)^{-1}$
 \vec{v} set.

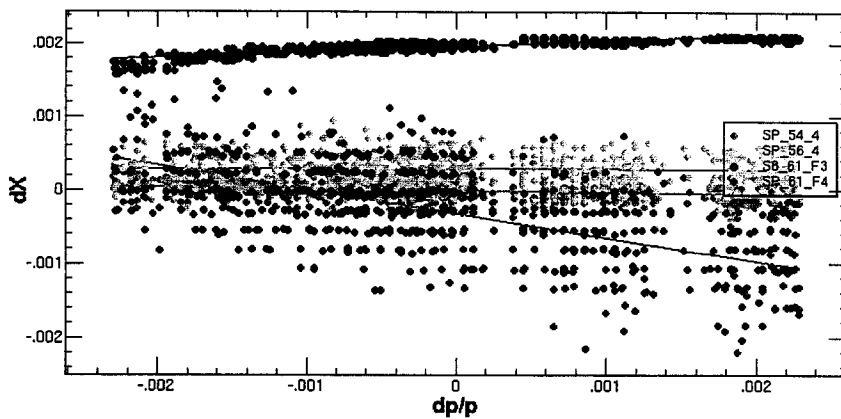
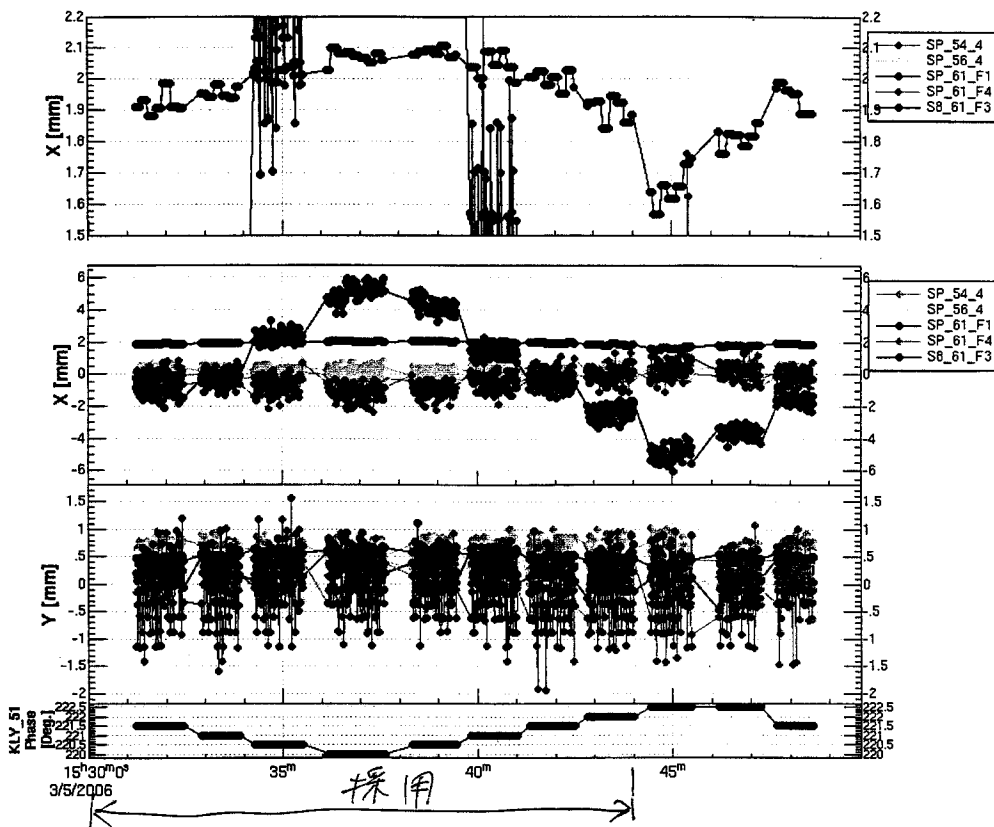
15:31

" users/indr/lead/kekb/bt/pf/data/BPMdata20060305_153115.dat "

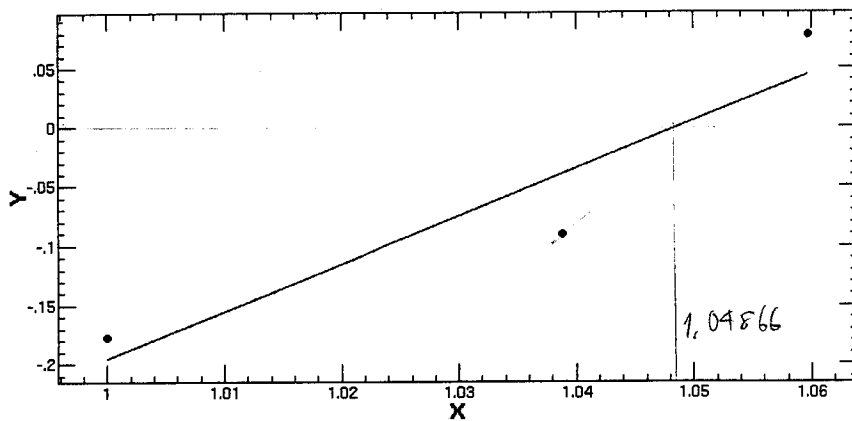
E = 2.450
 2.453
 2.456
 2.459
 2.456
 2.453
 2.450

2.447
 2.444
 2.441
 2.450





η_x
@
F3



Fudge Factor

15

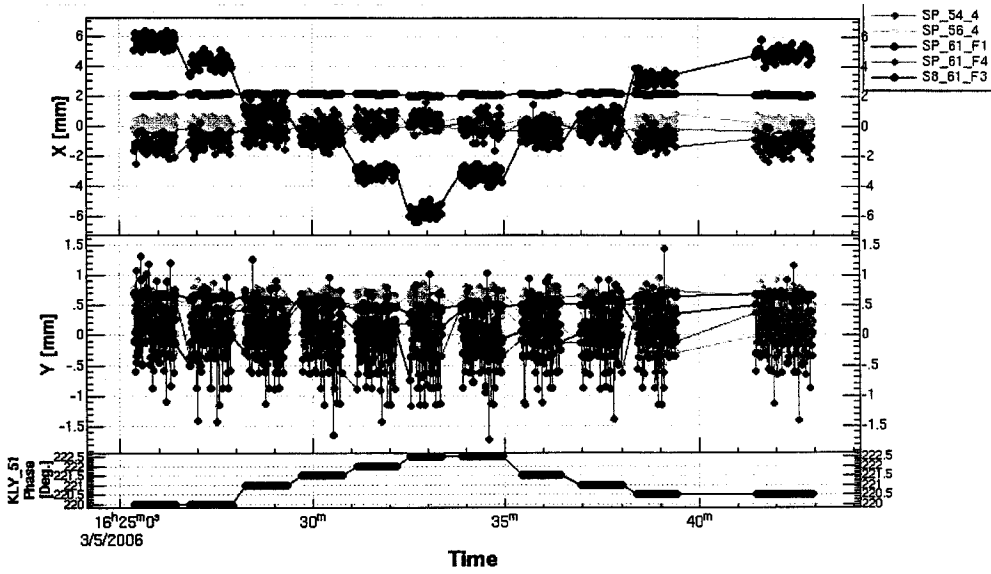
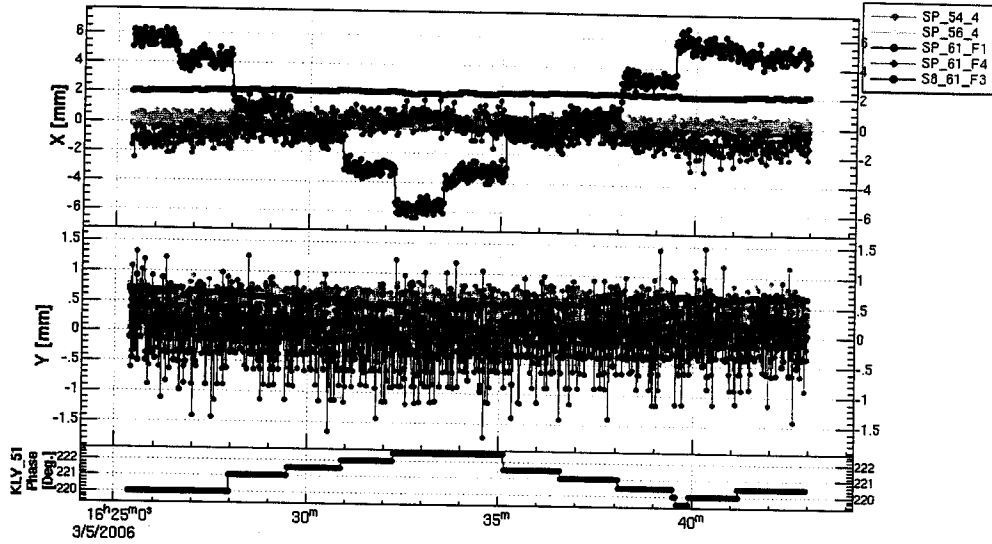
(FF = 1.048664302614758)
"pf bt - magnet - setting 20060305 - 167516.dat"
162522
"BPM data 20060305 - ~~162211~~.dat"

15:25

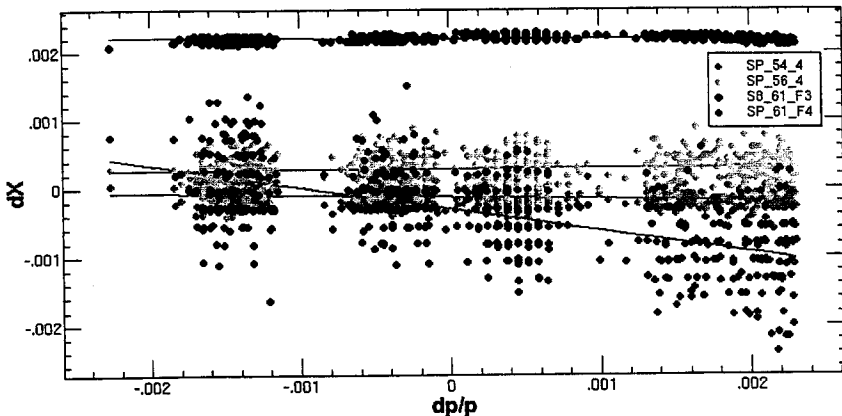
Edit Window

03/05/2006 16:43:01 Help

DispersionX DispersionY

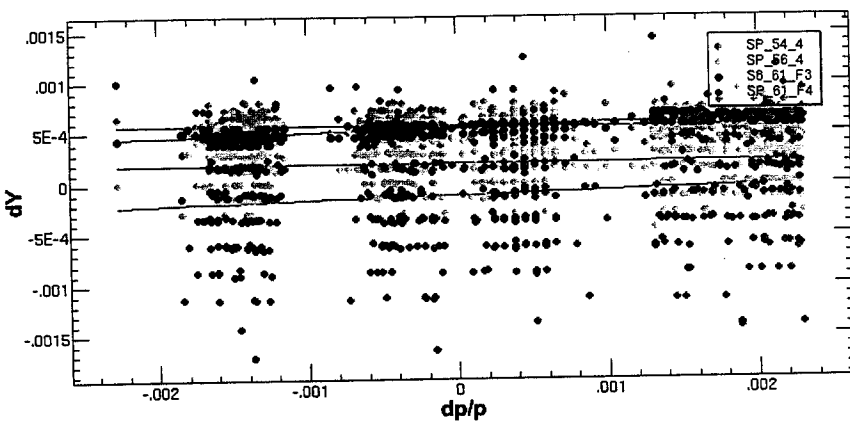


$\eta_X(54_A) = -0.02949 \pm 0.00435$, $\eta_X(56_A) = 0.1078 \pm 0.0072$
 $\eta_X(F3) = -0.00405 \pm 0.00146$, $\eta_X(F4) = -0.31884 \pm 0.0171$



$\eta_X \text{ at } F3$
 $= -0.0045$
 $\sim 0 !!$

$\eta_X(54_A) = -0.00224 \pm 0.00387$, $\eta_X(56_A) = 0.0076 \pm 0.00752$
 $\eta_X(F3) = 0.0461 \pm 0.00127$, $\eta_X(F4) = 0.04602 \pm 0.01641$

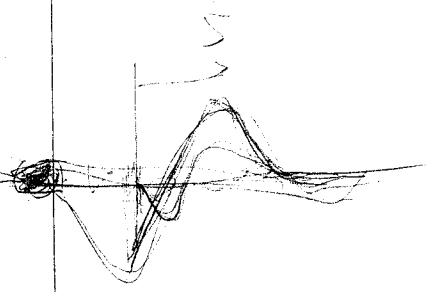


η_X あり. 54, 56

114 mrad

1.5 mrad

$$\frac{1.5}{114} = \frac{1}{76} \sim \frac{1}{100} = 10 \text{ mrad}$$



17

(FF = 1 の design 値)

setting 20060305-175033.dat

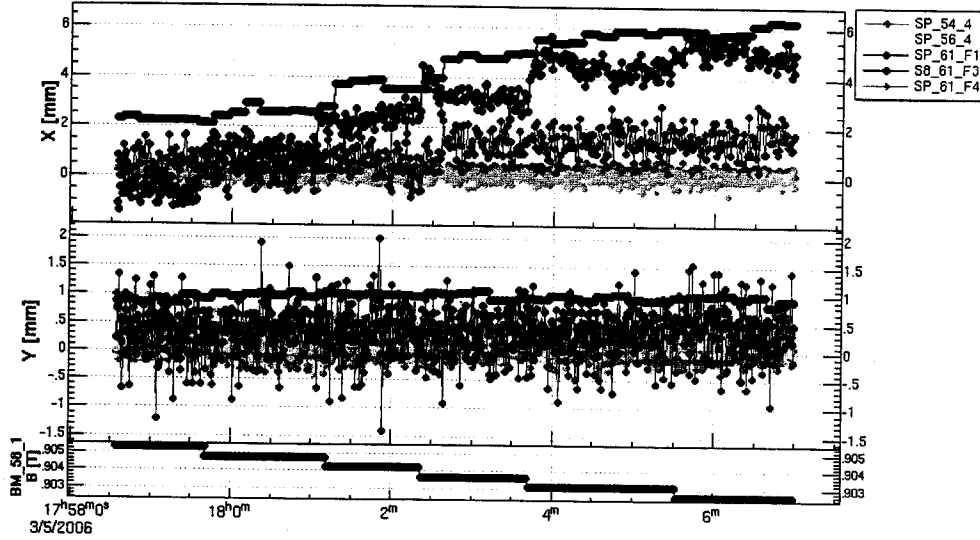
運転 Optics に 対応

17:22

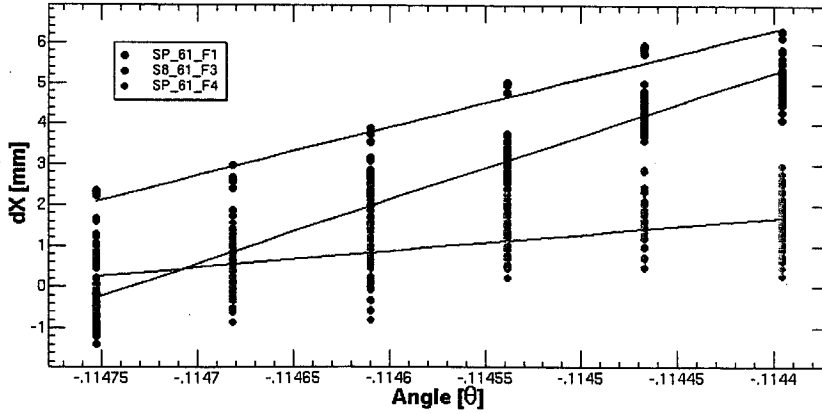
BM-58-1 2 受 2 2 BPM 測定

↑ Qa set の 受 2 2 2
2 2 - 受 data 2 2

17:59



$\eta_x(F1) = 15756.9 \pm 193.547$
 $\eta_x(F3) = 12042.4 \pm 127.184, \eta_x(F4) = 4062.21 \pm 263.682$



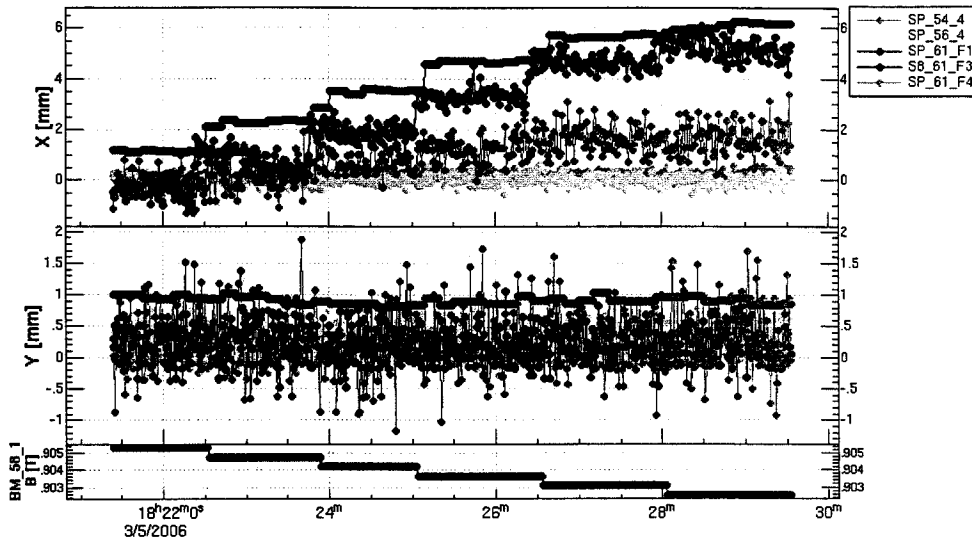
Q(F, D) F1, F3

3台のQa

Optics (FF1) 3カ所 set.

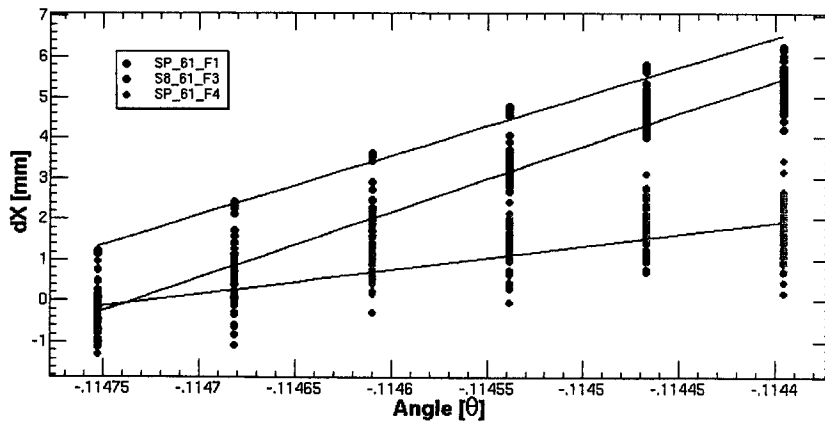
"ptbt_magnet - setting 20060305 - 174553. dat"

Window 03/05/2006 18:29:41 Help
 Dispersion



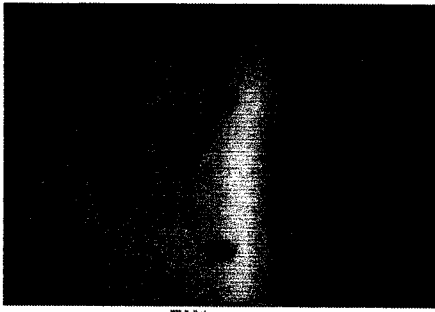
$$\eta_x(F1) = 16115.3 \pm 167.677$$

$$\eta_x(F3) = 14562.6 \pm 97.4718, \quad \eta_x(F4) = 5794.75 \pm 231.197$$

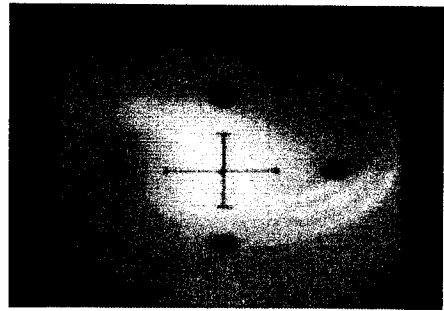


PF-BTの profile

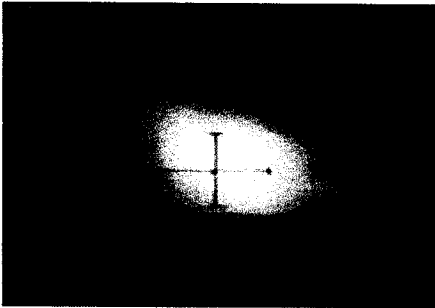
Max:inj rate 1g, 0.26mA/s (@ 25Hz) 同期回路は未使用



FM1.png



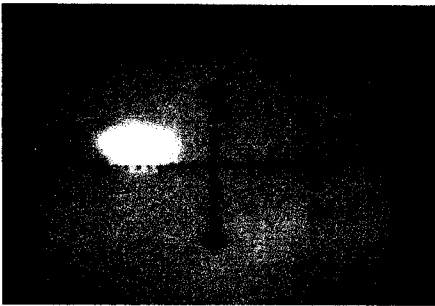
FM2.png



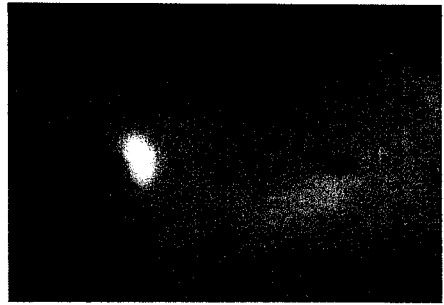
FM2_2.png



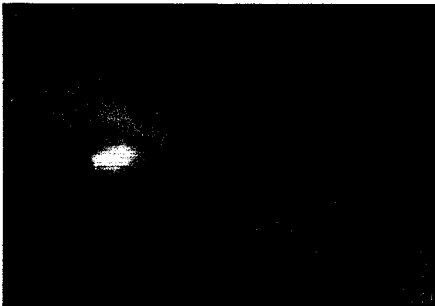
FM3.png



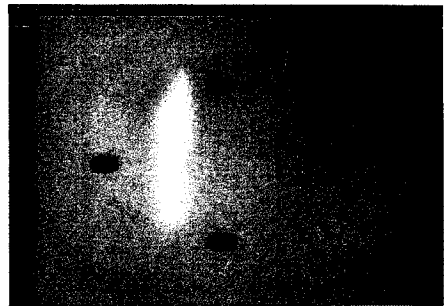
FM4.png



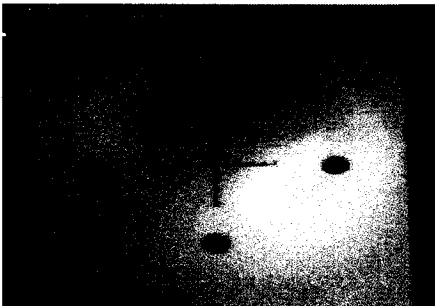
FM5.png



FM6.png



FM7.png



FM8.png

106/3/7.

Multi Energy (大西, 紙谷, 横山, 菊池, 飯田)

Optics ϵ set. (by 大西)

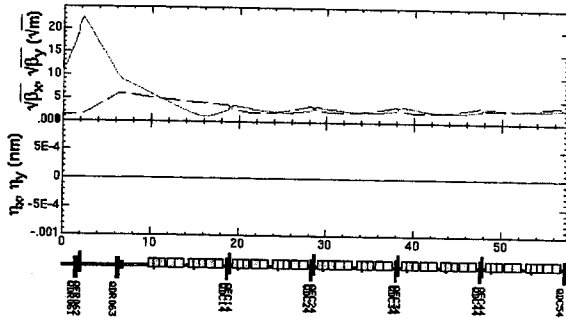
軌道補正.

Wire Scanner Cセツ- Matching 何度か Try.
 結局 ~~Multi Energy~~ "Multi Energy 5 (2.5 GeV Case Matching 1)"
 が ϵ と ϵ と ϵ . BMag 11 に 近う ϵ 7. Last 値 ϵ 7
 Free の Qmag ϵ 通常 5 台 \rightarrow 7 台 に 増やした.
 Cセツ-

12:18

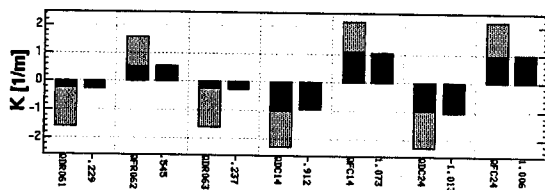
dow 05/07/2006 12:17:47
 Calc Calculate Matching

Matching Residual = 3.2448E-28



- Matching Calculation
- Matching Condition
- Calc Matching
- Recover Calculation
- Reset Calculation
- Q-mag Set
- Set Q-Magnets
- Q-mag Read&Write
- Read Q-Mag from File
- Save Q-Mag to File

Strength of Free Qmag (Q%)



ϵ ϵ ϵ set