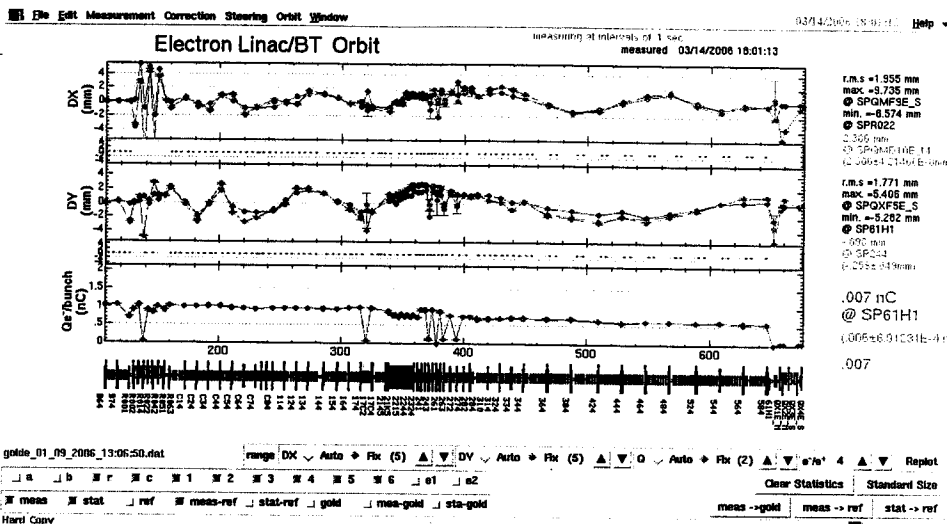
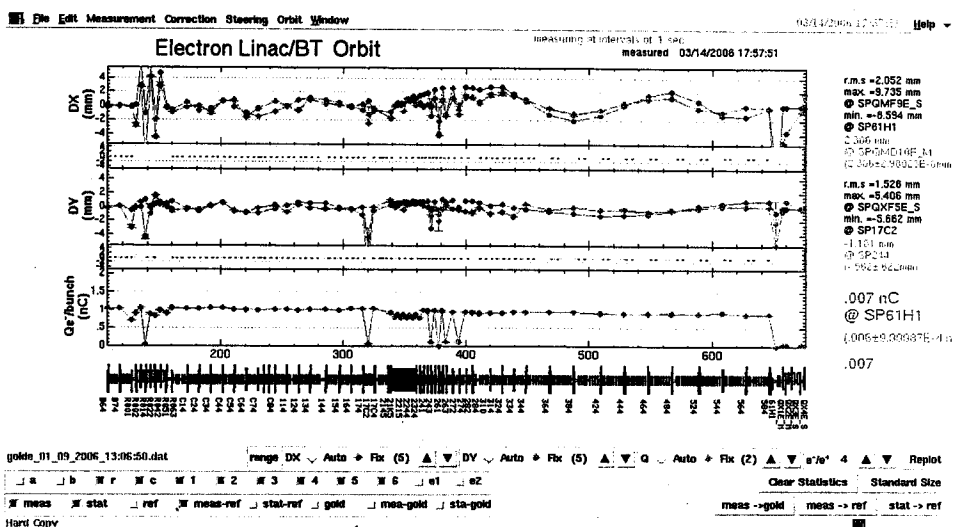


Energy 1.545 → 1.5548



Ref 1c.
E = 1.545 E
λ = 2.5 Å

16:00 に set (1.545)



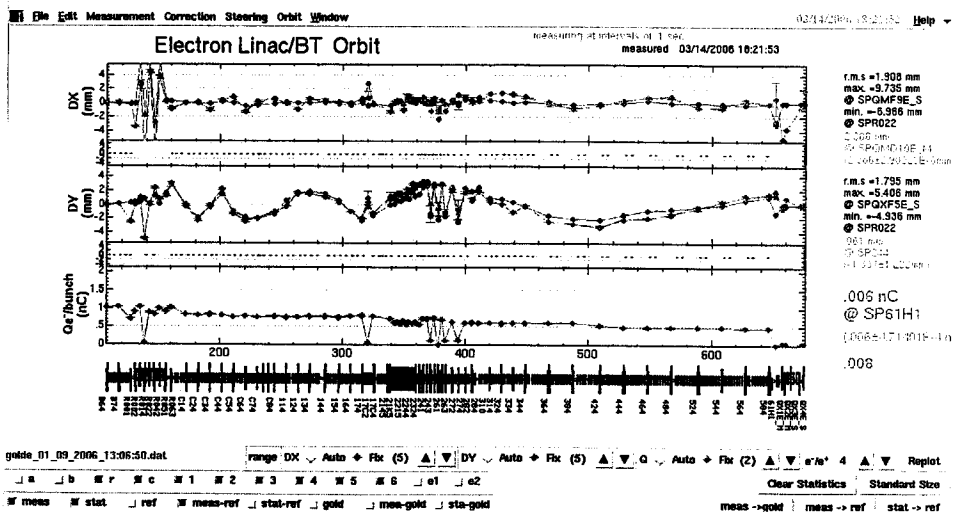
17:36 に set (1.545)

やはり、下流に軌道が出た。

18:15

3-4 内の SX ± φ に set.

16:00 に set (1.545)

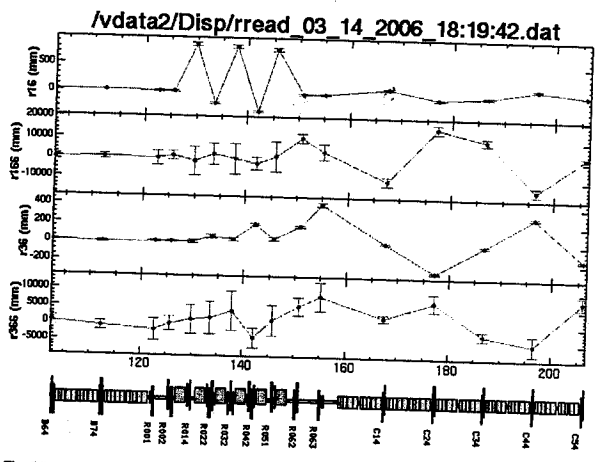


E = E₀ 1.5449
(= 1.5548)

→ 18:23 に set

E = 1.5548

→ 18:24



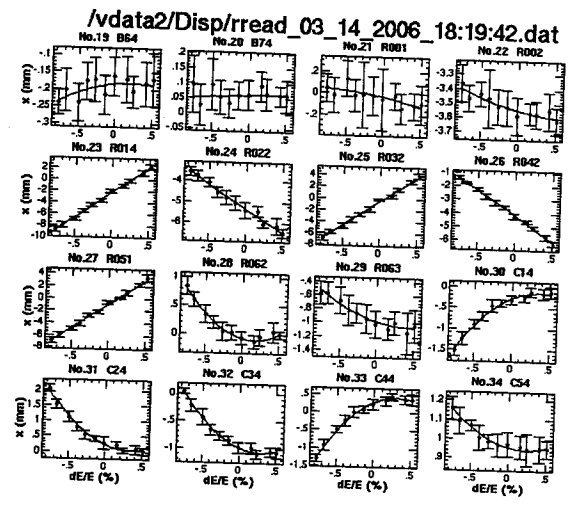
Energy = 1.54403013006 [GeV]

Measurement
 Low energy: 1.5340
 High energy: 1.5556
 Delta energy: .002
 Iterations/step: 10
 Comments: <none>
 No Streak Camera Use Streak Camera
 Wait for Streak Camera
 Debugging Mode Execution Mode
 Go
 Abort

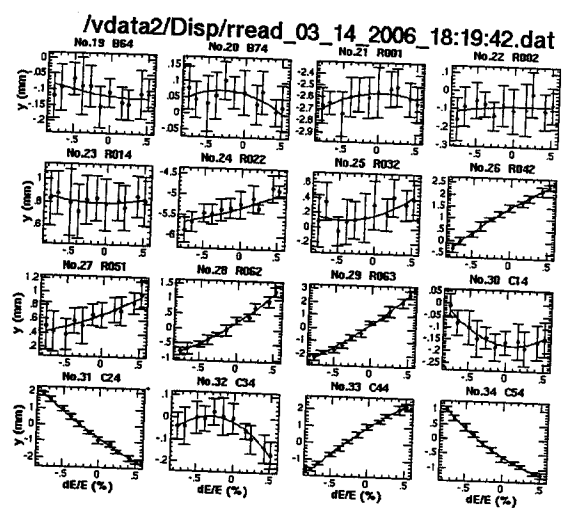
Files
 Load Raw Data File
 Dispersion file: rmeas_03_14_2006_18:19:42.dat
 Write Dispersion File

Analysis
 <none>
 Drop streak points (1): 0
 Drop streak points (2): 0
 Energy Scale Factor (current): 1
 Energy Scale Factor (replot): 268070434675282
 Energy Offsets (current): 0
 Energy Offsets (replot): 0

16:0012
 set (k29
 (P.79)
 SXT E
 $\phi = 12$
 測定.
 r_{36} は $\frac{4}{3}$ 倍
 (=



File name
 /vdata2/Disp/rread_03_14_2006_18:19:42.dat



File name
 /vdata2/Disp/rread_03_14_2006_18:19:42.dat

六極を $\text{off} = 73\%$. 3.4.5 sector で H. dispersion は $\phi = 15^\circ$ 近い.

" " V. dispersion は大きくなり.

06/3/15

本日の予定

飯田. 小磯

1. JArc { Quad BPM ← 三菱社に依頼
六極 BPM

2. 下流の BPM も全て読み込んで. Dispersion 測定をす.

3. V. Bump を閉じるときに QDR022 の Fudge Factor を求める.

JArc 内の BPM 対応を確認 (佐藤氏)

作業終了後. VME が立ち上がる.

→ 復活

16:23

16:25

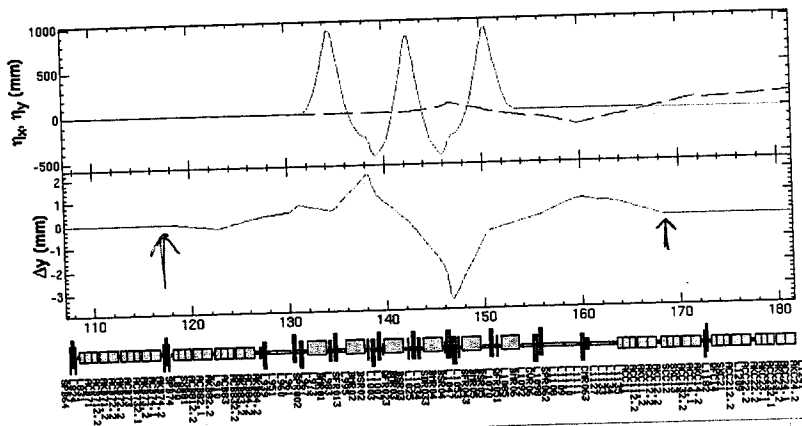
3. V. Bump を閉じるときに QDR022 の F.F. を求める.

QDR022 の 2mm の V.H. → 4mm まで.

F.F. $37.656 \rightarrow 37.773$ [A]

File Edit Measurement Correction Steering Orbit Window

9/25/2006 14:12:07 Help

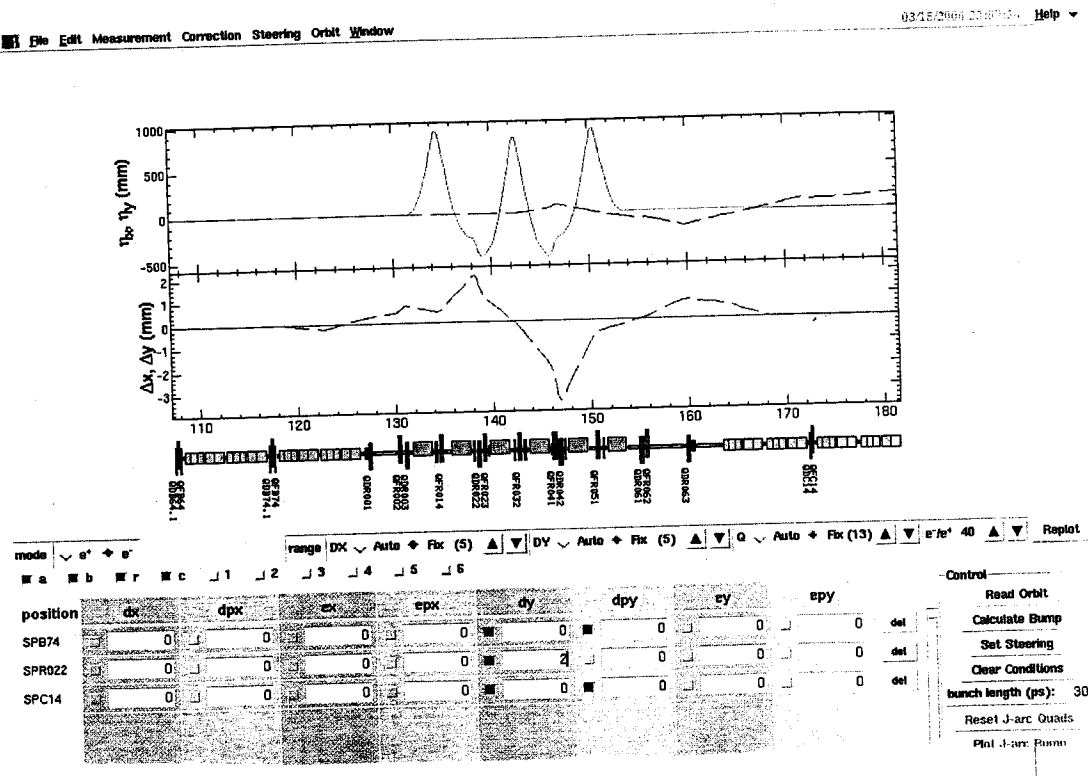
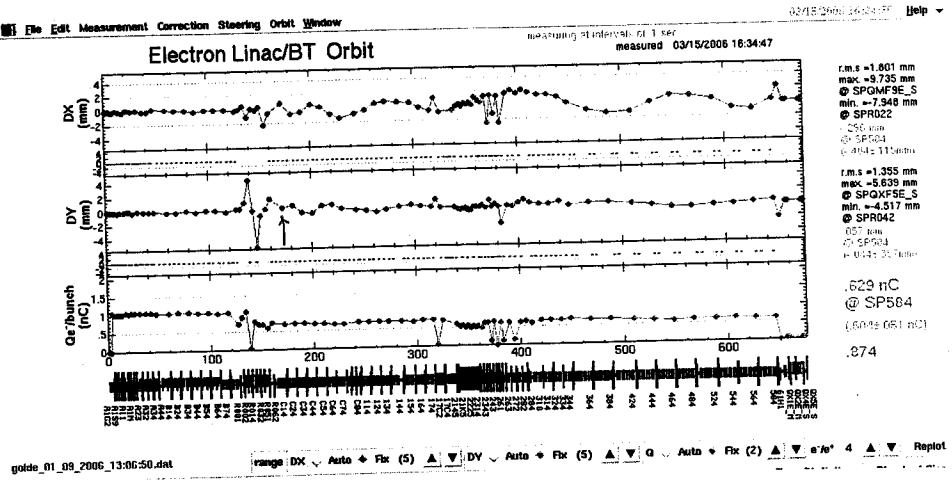
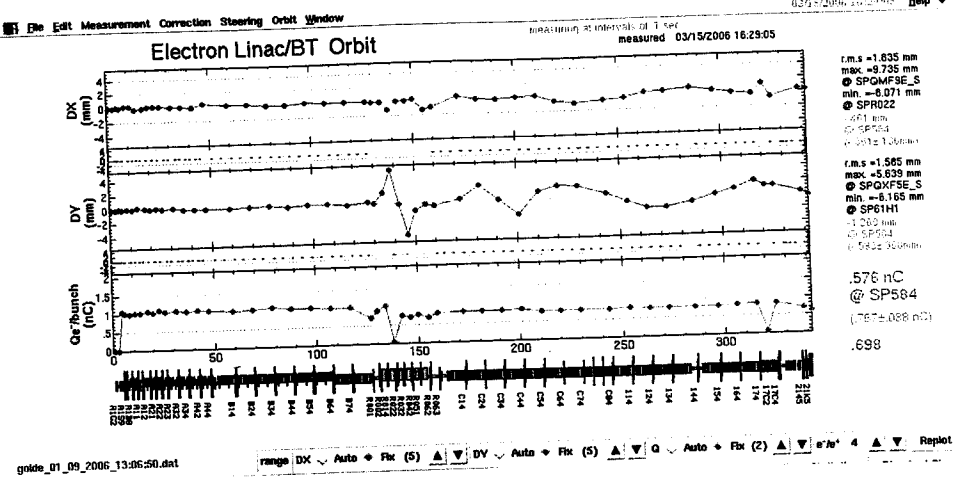


mode	e'	e''	range DX	Auto	Fix (2)	DY	Auto	Fix (2)	Q	Auto	Fix (13)	e'/e'' 40	Replot
position	dx	dpx	ex	epx	dy	dpy	ey	epy	Control				
SPB74	0	0	0	0	0	0	0	0	del	Read Orbit			
SPR022	0	0	0	0	0	0	0	0	del	Calculate Bump			
SPC14	0	0	0	0	0	0	0	0	del	Clear Conditions			

84

V. Bump 校正
 Arc = 3LF
 V. 軌道加
 ELS

QAR 022
 37.656 [A]
 ↓
 37.773 [A]



New Panel 1

Energy = 1.5390215896 [GeV]

Measurement

Low energy: 1.5295

High energy: 1.5511

Delta energy: .002

Iterations/step: 10

Comments: <NONE>

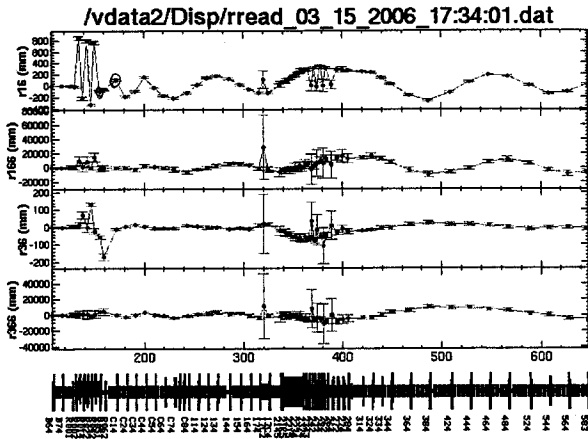
No Streak Camera Use Streak Camera

Wait for Streak Camera

Debugging Mode Execution Mode

Go

Abort



Files

Load Raw Data File

Dispersion file: /vdata2/Disp/rmeas_03_15_2006

Write Dispersion File

Analysis

<none>

Drop streak points (1): 0

Drop streak points (2): 0

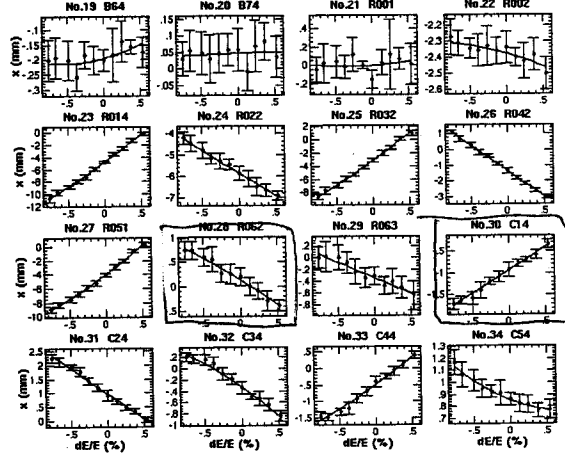
Energy Scale Factor (current): 1

Energy Scale Factor (replot): .908663826113541

Energy Offsets (current): 0

Energy Offsets (replot): 0

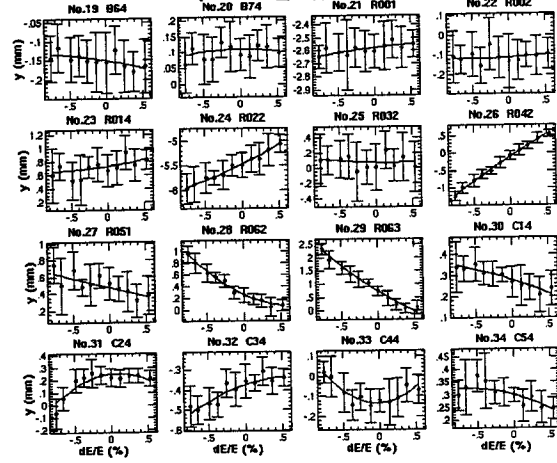
/vdata2/Disp/rread_03_15_2006_17:34:01.dat



	η_x
R062	-0.0938
C14	0.10675

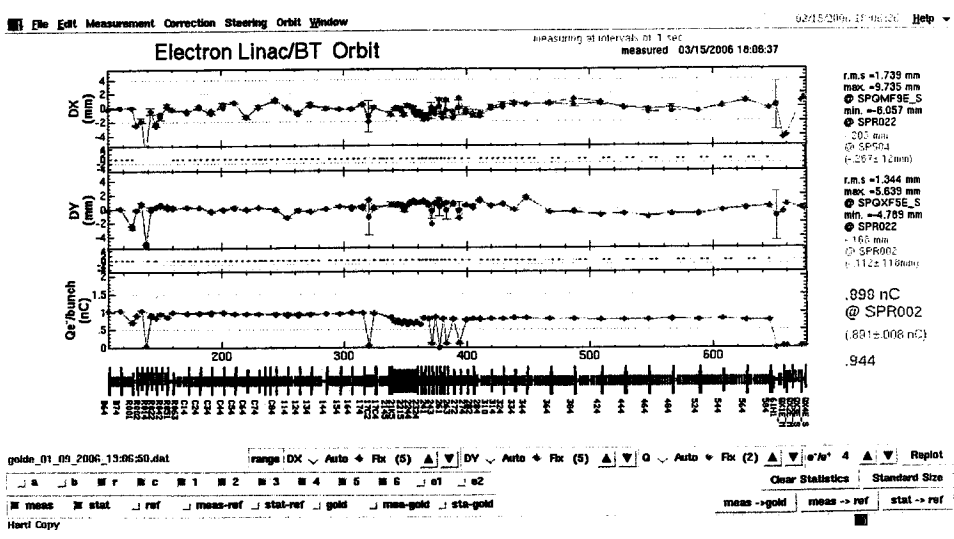
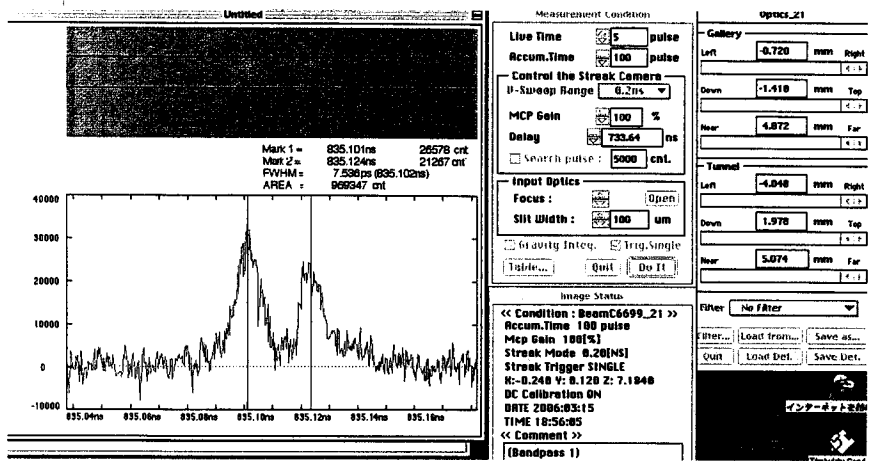
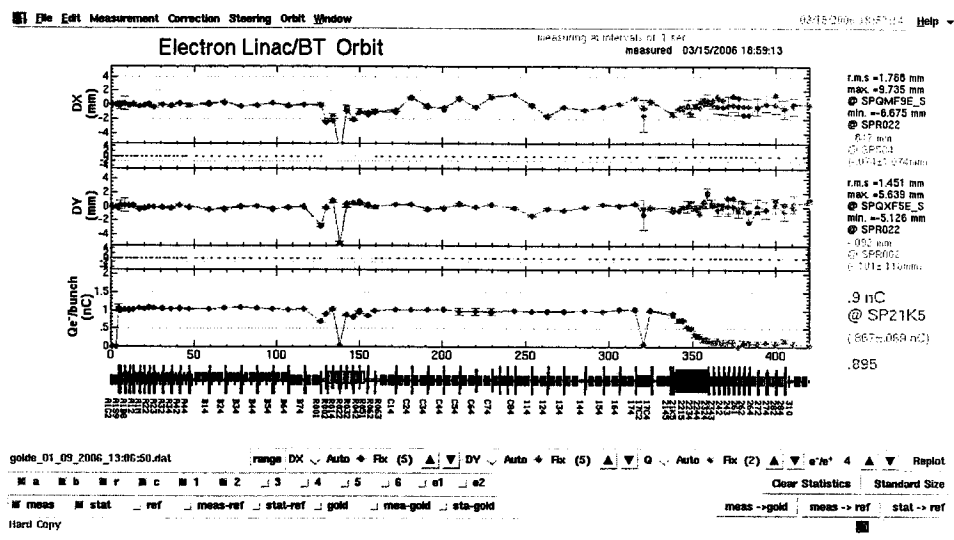
File name /vdata2/Disp/rread_03_15_2006_17:34:01.dat

/vdata2/Disp/rread_03_15_2006_17:34:01.dat



File name /vdata2/Disp/rread_03_15_2006_17:34:01.dat

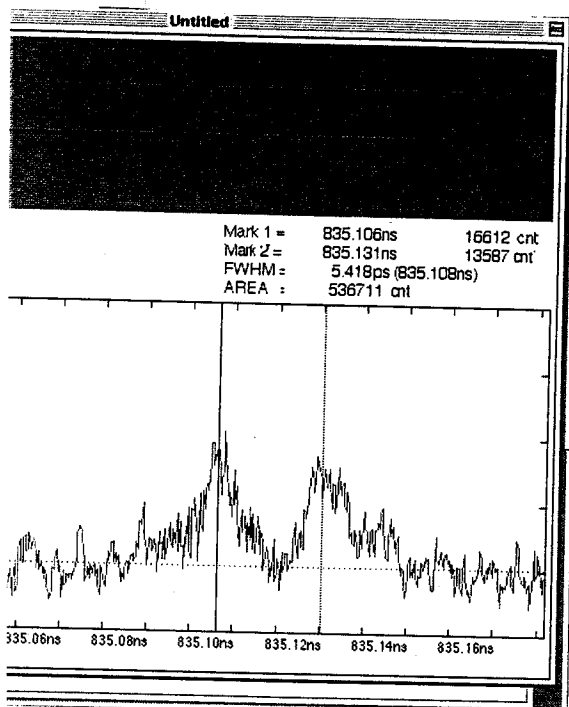
Energy knob
① 1.546 7スト



Q変した後
2セクターcharge減

7자

- ① 1.5335
- ② 1.5435
- ③ 1.5542



Measurement Condition

Live Time: 5 pulse
 Accum.Time: 100 pulse

Control the Streak Camera
 D-Sweep Range: 0.2ns
 MCP Gain: 100 %
 Delay: 733.64 ns
 Search pulse: 5000 cnt.

Input Optics
 Focus: Open
 Slit Width: 100 um
 Gravity Integ. Trig.Single
 Table... Quit Do It

Image Status

<< Condition : BeamC6699_21 >>
 Accum.Time 100 pulse
 Mcp Gain 100[%]
 Streak Mode 0.20[NS]
 Streak Trigger SINGLE
 H:-0.240 V: 0.120 Z: 7.1840
 DC Calibration ON
 DATE 2006:03:15
 TIME 19:18:34
 << Comment >>
 (Bandpass 1)

Optics_21

Gallery

Left	-0.720	mm	Right	720	mm
Down	-1.418	mm	Top	18	mm
Near	4.872	mm	Far	72	mm

Tunnel

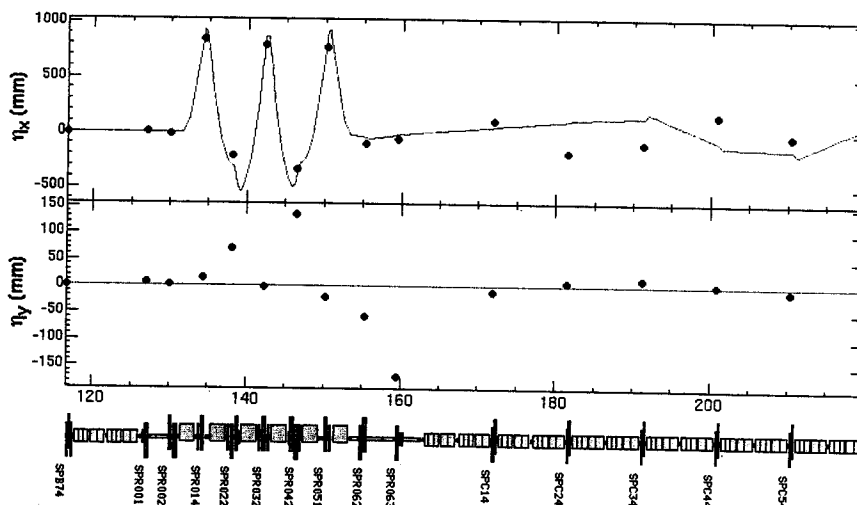
Left	-4.048	mm	Right	48	mm
Down	1.978	mm	Top	78	mm
Near	5.074	mm	Far	74	mm

Filter: No filter

Filter... Load from... Save as...
 Quit Load Def. Save Def. Save as... Save Def.

edit Window

03/15/2006 18:00:00



$ff_{11} = 0.5$
 (Damping Factor)

Window (S) (BPMs) dE/E vs X (BPMs) dE/E vs Y (BPMs) dE/E vs Q (BPMs) R56(S) (Streak Camera) Fit

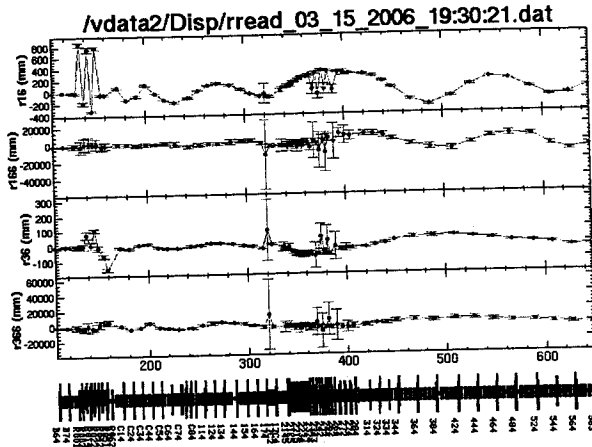
Energy = 1.54376120359 [GeV]

Measurement Low energy: 1.5330 High energy: 1.5546 Delta energy: .002 Iterations/step: 10

Comments: No Streak Camera Use Streak Camera Wait for Streak Camera Debugging Mode Execution Mode Go Abort

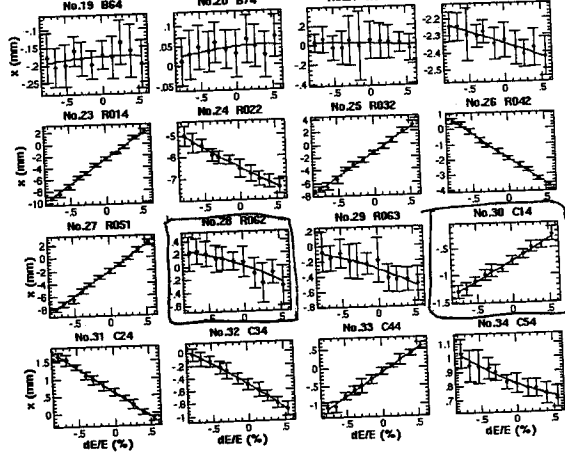
Files Load Raw Data File Dispersion file: /vdata2/Disp/meas_03_15_2006 Write Dispersion File

Analysis Drop streak points (1): 0 Drop streak points (2): 0 Energy Scale Factor (current): 1 Energy Scale Factor (replot): .873155286921551 Energy Offsets (current): 0 Energy Offsets (replot): 0



Ms) dE/E vs Y (BPMs) dE/E vs Q (BPMs) R56(S) (Streak Camera) Fit

/vdata2/Disp/rrad_03_15_2006_19:30:21.dat

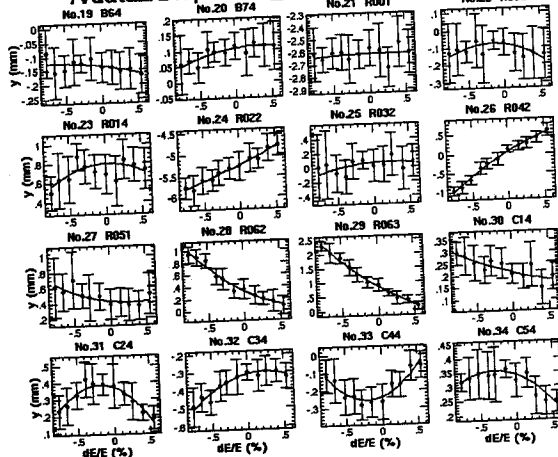


File name /vdata2/Disp/rrad_03_15_2006_19:30:21.dat

Help

Ms) dE/E vs Y (BPMs) dE/E vs Q (BPMs) R56(S) (Streak Camera) Fit

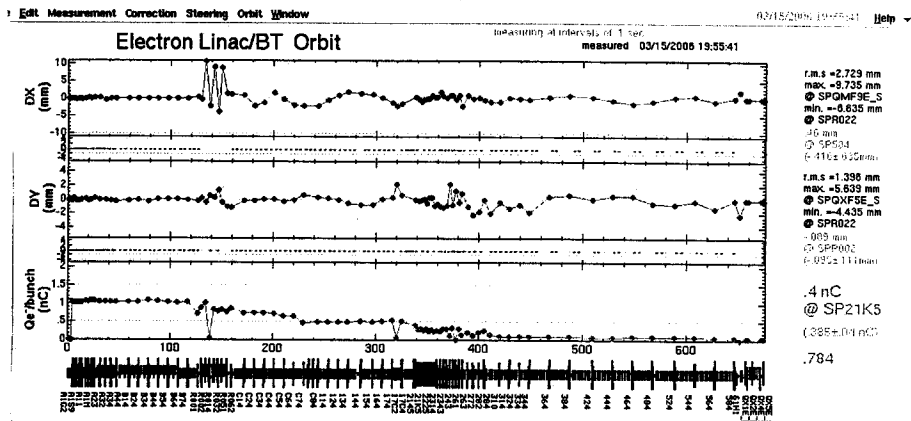
/vdata2/Disp/rrad_03_15_2006_19:30:21.dat



File name /vdata2/Disp/rrad_03_15_2006_19:30:21.dat

Handwritten notes: η_x , R062 -0.04022, C14 0.07710

$f_{11} = 0.5 \bar{v}$. set L. 試し = energy 2 2024.11.11

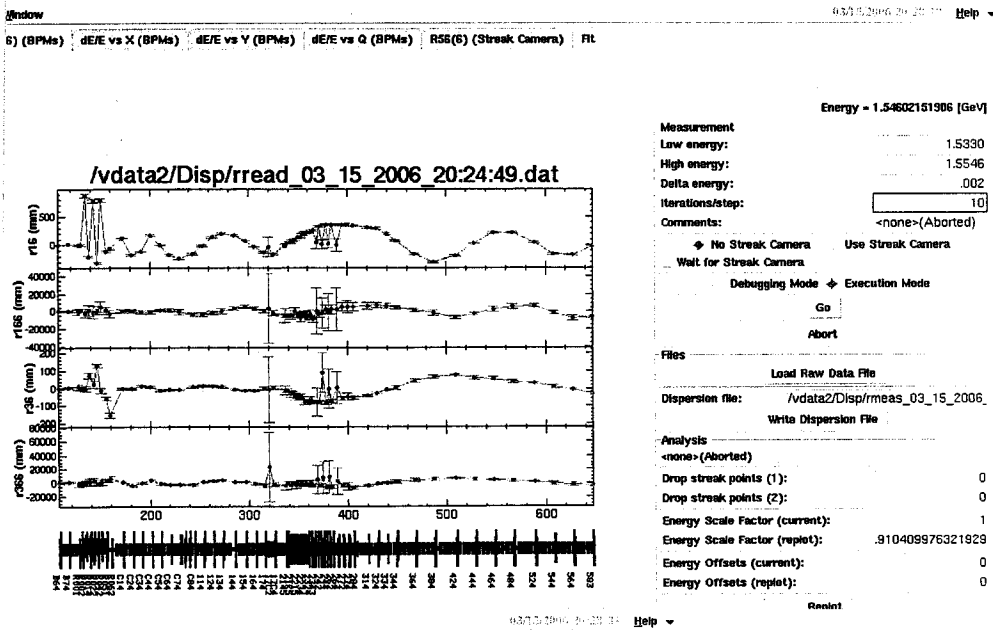


少し QM が
弱い。

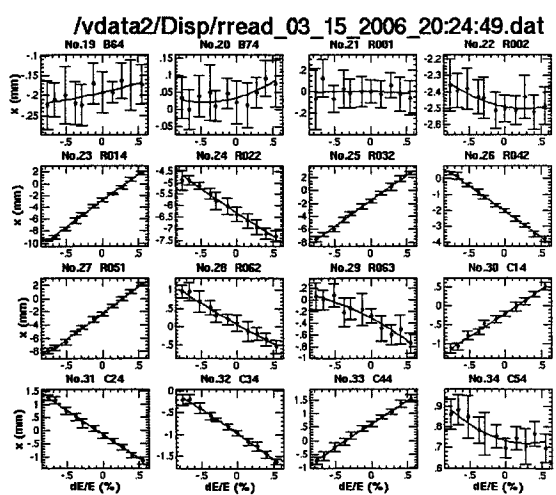
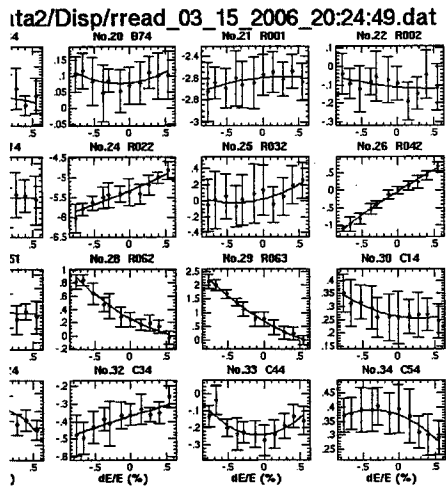
①
②

$f_{11} = 0.3 \bar{v}$
set L.
測定し 2024.11.11

全然
OK ではない。

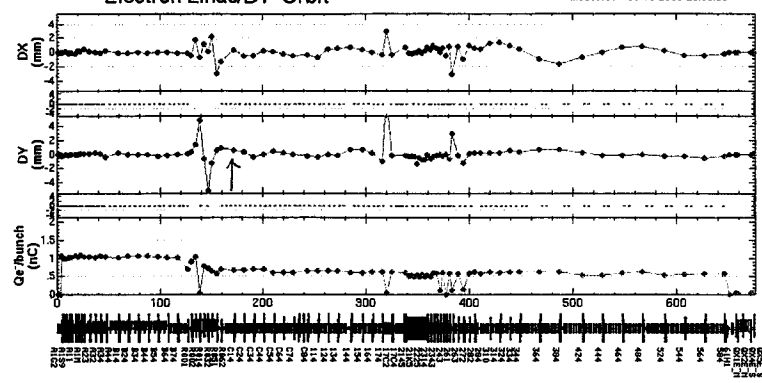


dE/E vs Q (BPMs) R56(5) (Streak Camera) Fit



再度、運転値からやり直し。
 V. Bump を T-27. Q^Rφ022 を調整。

Electron Linac/BT Orbit measured 03/15/2006 20:59:00



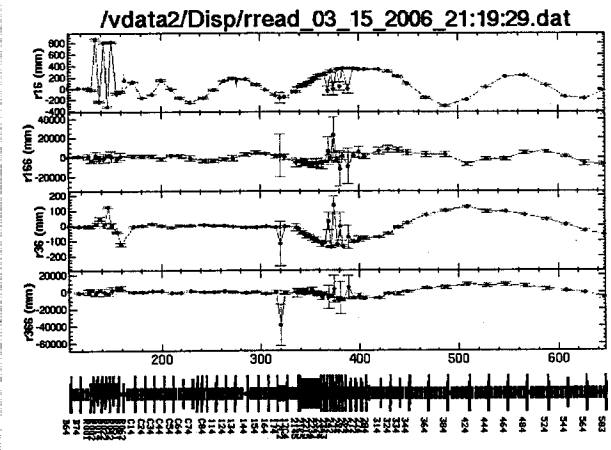
r.m.s = 1.613 mm
 max = 9.735 mm
 @ SPQMFSE_S
 min. = -7.678 mm
 @ SPR022
 1.051 mm
 @ SPQ024
 min. = -1.15 mm
 @ SPQ022
 r.m.s = 1.466 mm
 max = 5.639 mm
 @ SPQMFSE_S
 min. = -5.006 mm
 @ SPR042
 2.2 nC
 @ SPR002
 4.240e11 bunches
 .579 nC
 @ SP584
 (.583 ± 0.4 nC)
 .945

Q^Rφ022
 37.773[A]
 P.84と
 同じ値だが
 C140
 追加に閉じ割
 とおえずset.

PT入射

Window 03/15/2006 21:21:04 Help

(B) (BPMs) dE/E vs X (BPMs) dE/E vs Y (BPMs) dE/E vs Q (BPMs) R56(S) (Streak Camera) Fit



Energy = 1.54725191247 [GeV]

Measurement
 Low energy: 1.5364
 High energy: 1.5581
 Delta energy: .002
 Iterations/step: 5
 Comments: <none>

◀ No Streak Camera Use Streak Camera
 Wait for Streak Camera

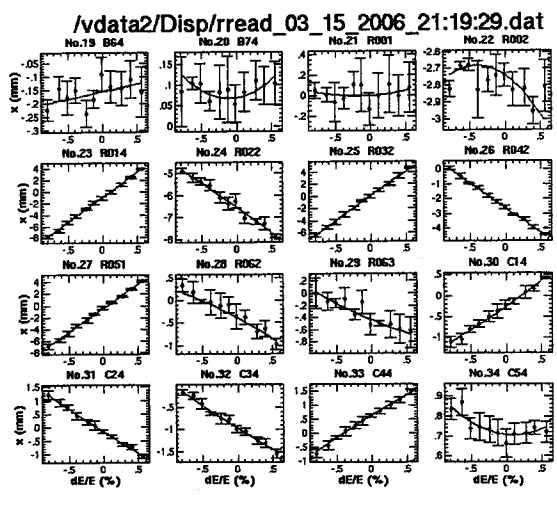
Debugging Mode Execution Mode
 Go
 Abort

Files
 Load Raw Data File
 Dispersion file: /vdata2/Disp/rmeas_03_15_2006_...
 Write Dispersion File

Analysis
 <none>
 Drop streak points (1): 0
 Drop streak points (2): 0
 Energy Scale Factor (current): 1
 Energy Scale Factor (replot): .942244116712752
 Energy Offsets (current): 0
 Energy Offsets (replot): 0

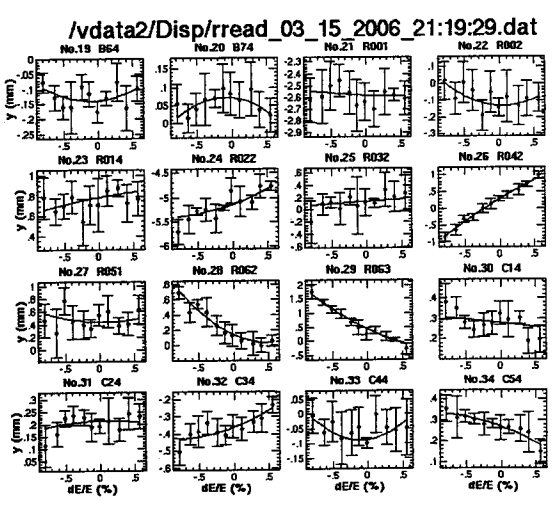
運転値の
 H.72
 測定

dE/E vs Y (BPMs) dE/E vs Q (BPMs) R56(S) (Streak Camera) Fit



File name
 /vdata2/Disp/rread_03_15_2006_21:19:29.dat

dE/E vs Y (BPMs) dE/E vs Q (BPMs) R56(S) (Streak Camera) Fit



File name
 /vdata2/Disp/rread_03_15_2006_21:19:29.dat