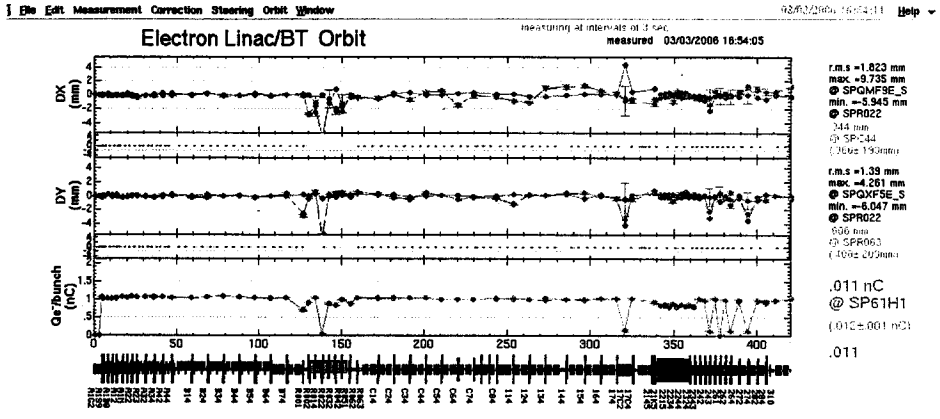
201

File Edit Measurement Correction Steering Orbit Window Help



range DX Auto Fix (5) DY Auto Fix (5) Q Auto Fix (2) e-/e+ 4 Replot

Clear Statistics Standard Size

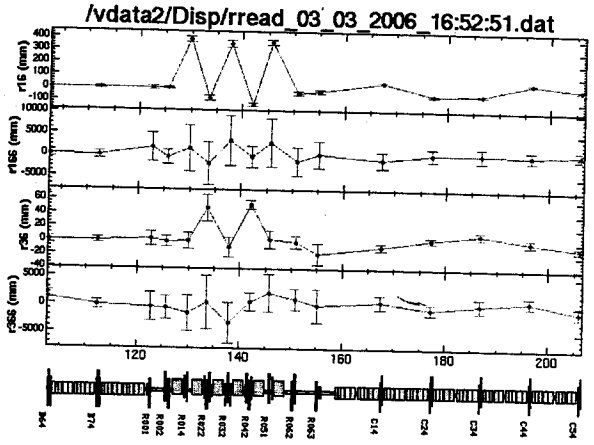
meas stat ref meas-ref stat-ref gold mea-gold sta-gold

meas ->gold meas -> ref stat -> ref

rd Copy

File Edit Window Help

R16(6), R36(6) (BPMs) | dE/E vs X (BPMs) | dE/E vs Y (BPMs) | dE/E vs Q (BPMs) | R56(6) (Streak Camera) | Fit

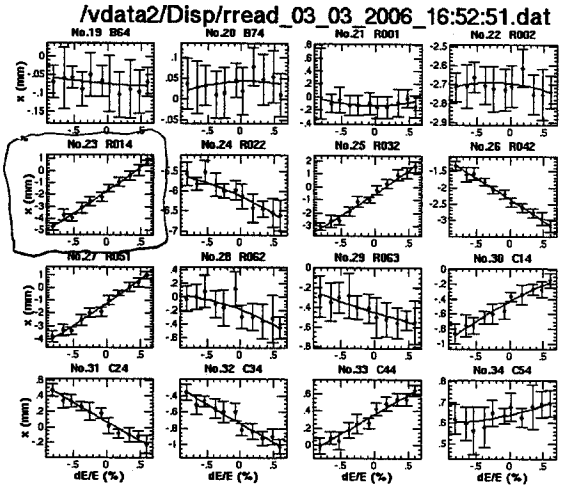


Measurement
Low energy: 1.4
High energy: 1.42
Delta energy: .002
Iterations/step: 10
Comments: <none>
No Streak Camera
Use Streak Camera
Debugging Mode
Execution Mode
Go
Abort
Files
Load Raw Data File
Dispersion file: /vdata2/Disp/rmeas_03_03_2006_
Write Dispersion File
Analysis
<none>
Drop streak points (1): 0
Drop streak points (2): 0
Energy Scale Factor (current): 1
Energy Scale Factor (replot): .122922804358959
Energy Offsets (current): 0
Energy Offsets (replot): 0
Replot

Application Area

File Edit Window Help

R16(6), R36(6) (BPMs) | dE/E vs X (BPMs) | dE/E vs Y (BPMs) | dE/E vs Q (BPMs) | R56(6) (Streak Camera) | Fit

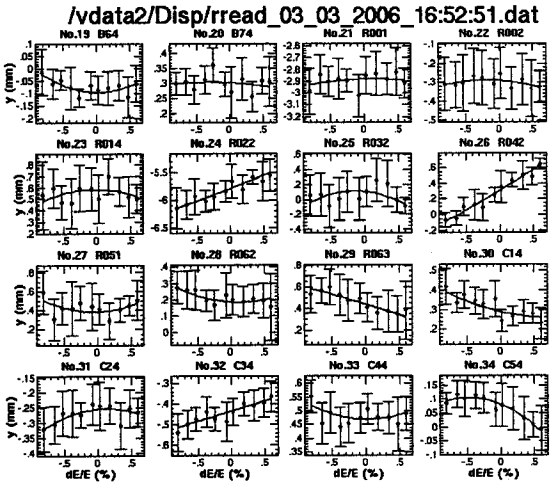


File name
/vdata2/Disp/rread_03_03_2006_16:52:51.dat

Hard Copy

File Edit Window Help

R16(6), R36(6) (BPMs) | dE/E vs X (BPMs) | dE/E vs Y (BPMs) | dE/E vs Q (BPMs) | R56(6) (Streak Camera) | Fit



File name
/vdata2/Disp/rread_03_03_2006_16:52:51.dat

Hard Copy

203

2ページ先をまず見よ

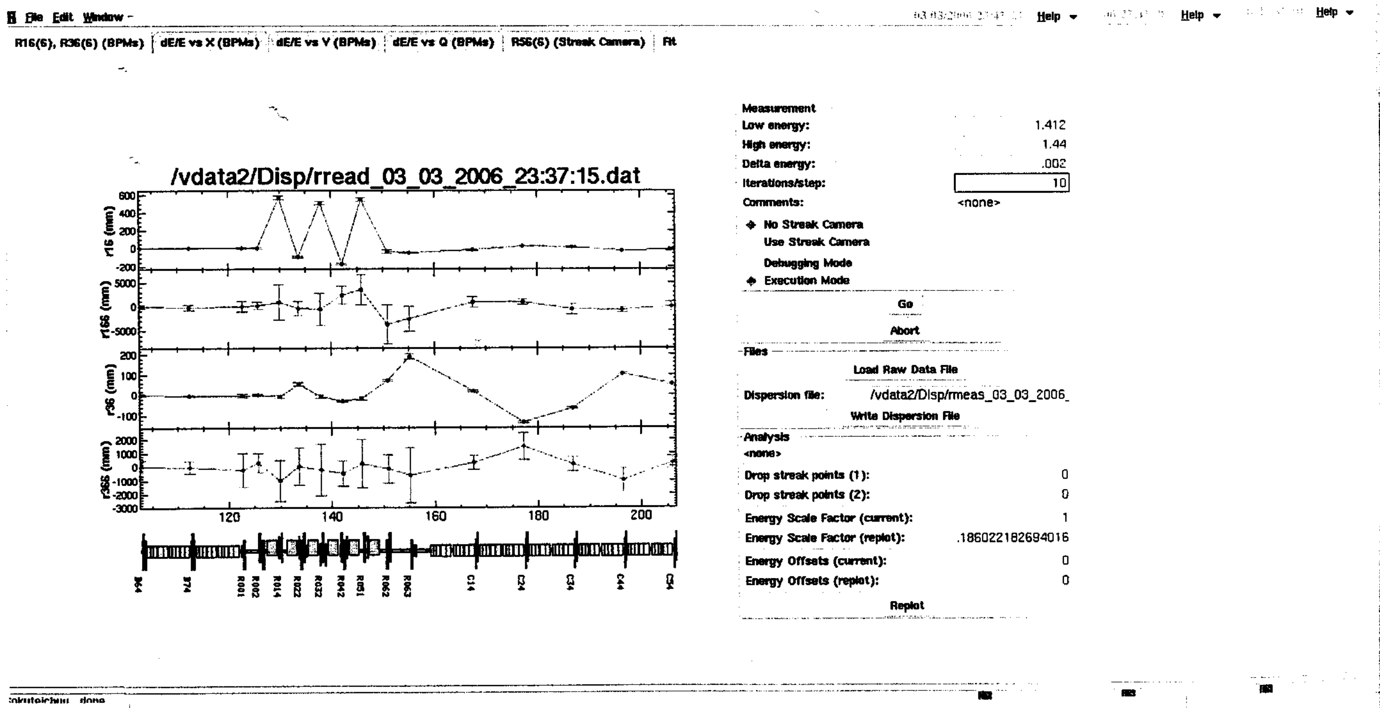
22:55

QD_C1_4	6.471 × $\frac{1.2}{1.7}$	=	4.56
QF_C1_4	7.902 ×	〃	= 5.~~58~~579
QD_C2_4	9.201 ×	〃	= 6.495
QF_C2_4	9.221 ×	〃	= 6.509
QD_C3_4	9.929 ×	〃	= 7.009
QF_C3_4	9.958 ×	〃	= 7.029
QD_C4_4	12.132 ×	〃	= 8.564
QF_C4_4	12.132 ×	〃	= 8.564

Orbit 補正 @ C-sector

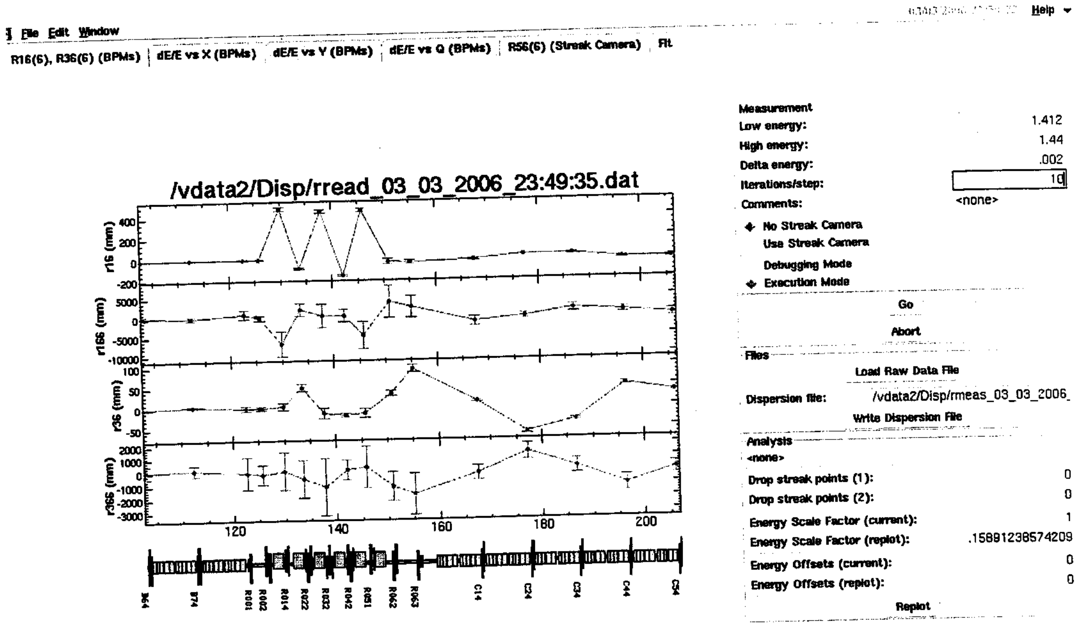
Energy knob 1.42~~4~~6 　範囲 for dispersion 測定 (1.41~~0~~2 → 1.4~~38~~40)

23:20 Dispersion 測定 @ 1.2GeV

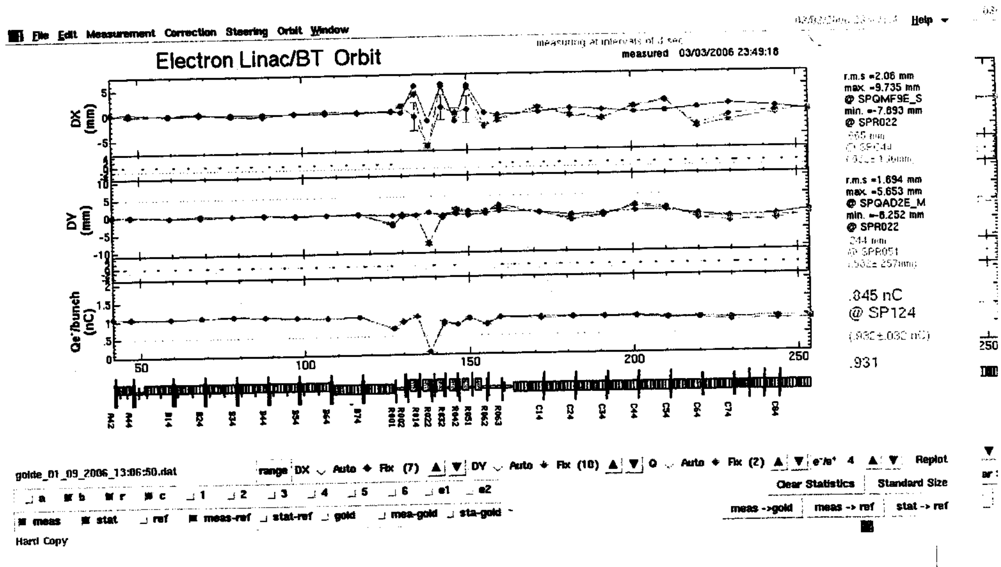


y方向の dispersion 大きいので steering 調整しながら
dispersion 測定やり直す

23:40

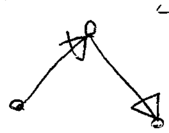


y方向の dispersion やや改善



24:00 1.7GeV設定に戻す 横山初期化ソフト J-arc 中央
設定 " J-arc 前後 matching secti

要改善 ① ループでなく



② 待ち時間なし

19:00 J-arc Energy 設定変更 (初期化プログラム)

1.2 GeV に変更する試験

- QP_R0_32 については 名前の誤り
- Debug モードになっていた
- Loop を終って 最終値を設定する前の待ち時間

21:00 PF 入射のため 中断.

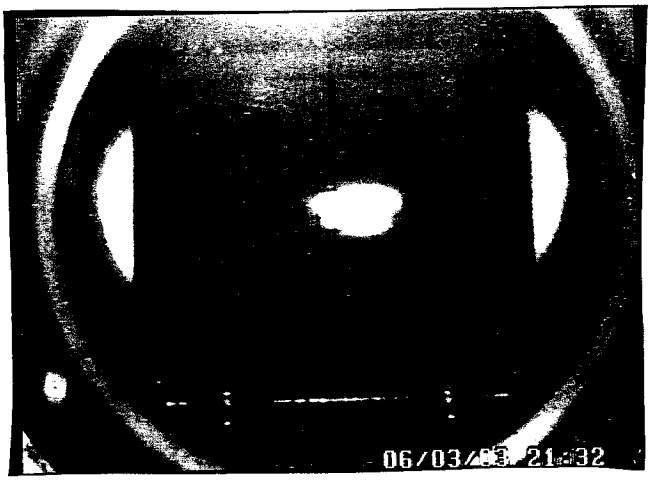
J-arc 設定を 1.7 → 1.2 GeV に変更した.

21:26 KL_B7 を Acc → STDBY
KL-B8 を φB8 = 14° → 194° → 179° ※ SC_R0_14 分.
Energy knob 1.41 → 1.425 (energy spread を小さくする)

SC_R0_31 では. ほぼまともな spot になっているが. SC_B8_2 分
ロス大きい。

→ J-arc の Magnet の他は 1.2 GeV 用になっていないため.

→ J-arc の前.後の matching QM を Energy Scale する



(×1.2/1.7)

~~QD_R0_01~~	~~13.538~~ →	9.556
QF_R0_02	19.473 →	13.746
QD	4.469 →	

(但し初期化はしない)

横山プログラムで Matching Q の値を Energy Scale に Setする

File Edit Window 03/03/2006 21:[illegible] Help

Debug	DAC1	ADC1	Set1	DAC2	ADC2	Status1			
QD_R0_01	9.553	9.536	9.429	9.553	9.521	ON		SetM OFF	SetM 0 (A)
QF_R0_02	19.473	19.453	13.622	19.473	19.468	ON		SetM OFF	SetM 0 (A)
QD_R0_03	4.469	4.453	3.007	4.469	4.453	ON		SetM OFF	SetM 0 (A)
QD_R0_61	7.502	7.456	5.155	7.502	7.471	ON		SetM OFF	SetM 0 (A)
QF_R0_62	19.458	19.424	13.611	19.458	19.497	ON		SetM OFF	SetM 0 (A)
QD_R0_63	8.938	8.892	6.172	8.938	8.892	ON		SetM OFF	SetM 0 (A)

Initialization
Energy Set 1.200
WaitTime 45
Loop 3
Go! Write File

All SetM ON | All SetM OFF | All SetM 0 (A) | All SetM SET1 (A) | SetBS OFF
Read Status DAC2&ADC2

OK start initialization.

22:00 AR調整のために中断

File Edit Terminal Window 03/03/2006 21:[illegible] Help

```
In[1]:= Scan[(#@ShowStatus1[])&,mlist]
  Name1  DAC1  ADC1  SET17  DAC2  ADC2  SET1  DField1  Field  Status1  MaxCur  SForm
BM_R0_1/6  325.043  324.451  325.043  205.81200000000003  205.505  205.83000000000003  1.55532  1.097872941176471  ON  350  1
  Name1  DAC1  ADC1  SET17  DAC2  ADC2  SET1  DField1  Field  Status1  MaxCur  SForm
BM_R0_2/3/4/5  324.615  323.938  324.615  203.93199999999997  203.71100000000003  203.953  1.55356  1.096630588235294  ON  350
1
  Name1  DAC1  ADC1  SET17  DAC2  ADC2  SET1  DField1  Field  Status1  MaxCur  SForm
QF_R0_14/51  43.722  43.696  43.722  30.388  30.366  30.3947  20.814900000000003  14.692870588235295  ON  60  0
  Name1  DAC1  ADC1  SET17  DAC2  ADC2  SET1  DField1  Field  Status1  MaxCur  SForm
QD_R0_22/42  37.656  37.661  37.656  26.286  26.294  26.2801  18.0658  12.782329411764705  ON  60  0
  Name1  DAC1  ADC1  SET17  DAC2  ADC2  SET1  DField1  Field  Status1  MaxCur  SForm
QF_R0_23/41  35.077  35.054  35.077  24.513000000000003  24.448  24.5104  16.8767  11.912964705882354  ON  60  0
  Name1  DAC1  ADC1  SET17  DAC2  ADC2  SET1  DField1  Field  Status1  MaxCur  SForm
QF_R0_32  84.176  84.131  84.176  54.603  54.59  54.5953  26.4953  18.702564705882356  ON  100  0
  Name1  DAC1  ADC1  SET17  DAC2  ADC2  SET1  DField1  Field  Status1  MaxCur  SForm
SF_R0_13/52  11.435  11.414  11.435  7.937  7.922  7.93399  271.51799999999994  191.65976470588234  ON  25  0
  Name1  DAC1  ADC1  SET17  DAC2  ADC2  SET1  DField1  Field  Status1  MaxCur  SForm
SF_R0_21/43  3.816  3.796  3.816  2.613  2.594  2.61487  96.0322  67.78743529411765  ON  25  0
  Name1  DAC1  ADC1  SET17  DAC2  ADC2  SET1  DField1  Field  Status1  MaxCur  SForm
SD_R0_31/33  9.353  9.332000000000001  9.353  6.484  6.451  6.4861  224.185  158.24823529411763  ON  25  0
  In[1]:=
```

File Edit Window 03/03/2006 21:[illegible] Help

Debug	DAC1	ADC1	Set1	DAC2	ADC2	Status1			
BM_R0_1/6	325.043	324.451	205.830	205.812	205.505	ON		SetM OFF	SetM 0 (A)
BM_R0_2/3/4/5	324.615	323.938	203.953	203.932	203.711	ON		SetM OFF	SetM 0 (A)
QF_R0_14/51	43.722	43.696	30.395	30.388	30.366	ON		SetM OFF	SetM 0 (A)
QD_R0_22/42	37.656	37.661	26.280	26.286	26.294	ON		SetM OFF	SetM 0 (A)
QF_R0_23/41	35.077	35.054	24.510	24.513	24.448	ON		SetM OFF	SetM 0 (A)
QF_R0_32	84.176	84.131	54.595	54.603	54.590	ON		SetM OFF	SetM 0 (A)
SF_R0_13/52	11.435	11.414	7.934	7.937	7.922	ON		SetM OFF	SetM 0 (A)
SF_R0_21/43	3.816	3.796	2.615	2.613	2.594	ON		SetM OFF	SetM 0 (A)
SD_R0_31/33	9.353	9.332	6.486	6.484	6.451	ON		SetM OFF	SetM 0 (A)

Initialization
Energy Set 1.200
WaitTime 45
Loop 3
Go! Write File

All SetM ON | All SetM OFF | All SetM 0 (A) | All SetM SET1 (A) | SetBS OFF
Read Status DAC2&ADC2

Initialization Finished! 03/03/2006 21:19:16

4ページ前に戻る

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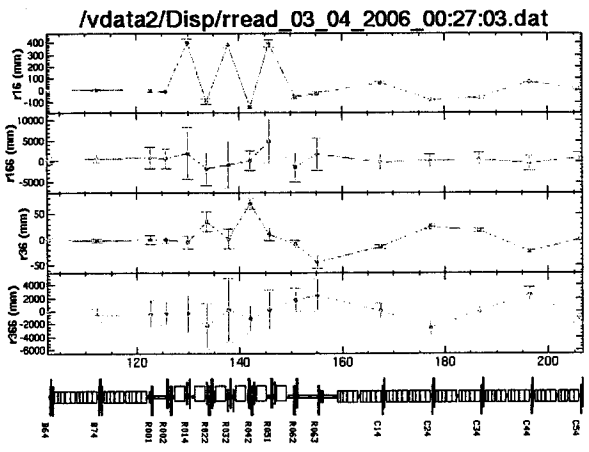
24:35

File Edit Window

R16(6), R36(6) (BPMs) dE/E vs X (BPMs) dE/E vs Y (BPMs) dE/E vs Q (BPMs) R56(6) (Streak Camera) Fit

Help Help Help



Measurement

Low energy:	1.42
High energy:	1.44
Delta energy:	.002
Iterations/step:	10
Comments:	<none>

No Streak Camera
Use Streak Camera
Debugging Mode
Execution Mode

Go

Abort

Files

Load Raw Data File

Dispersion file: /vdata2/Disp/rmeas_03_04_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):	.130337154090757
Energy Offsets (current):	0
Energy Offsets (replot):	0

Replot

kutelchua...done.