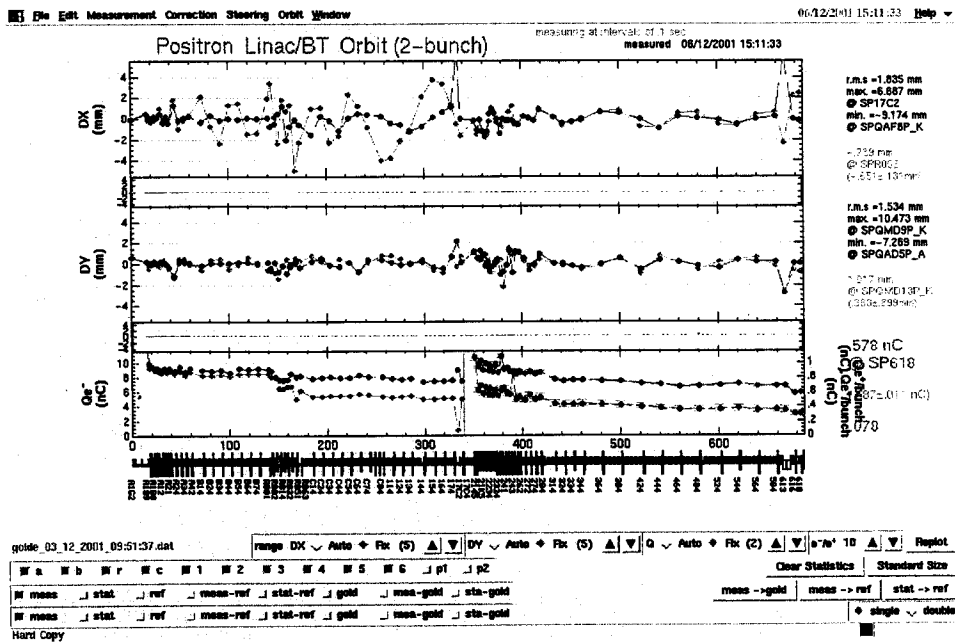
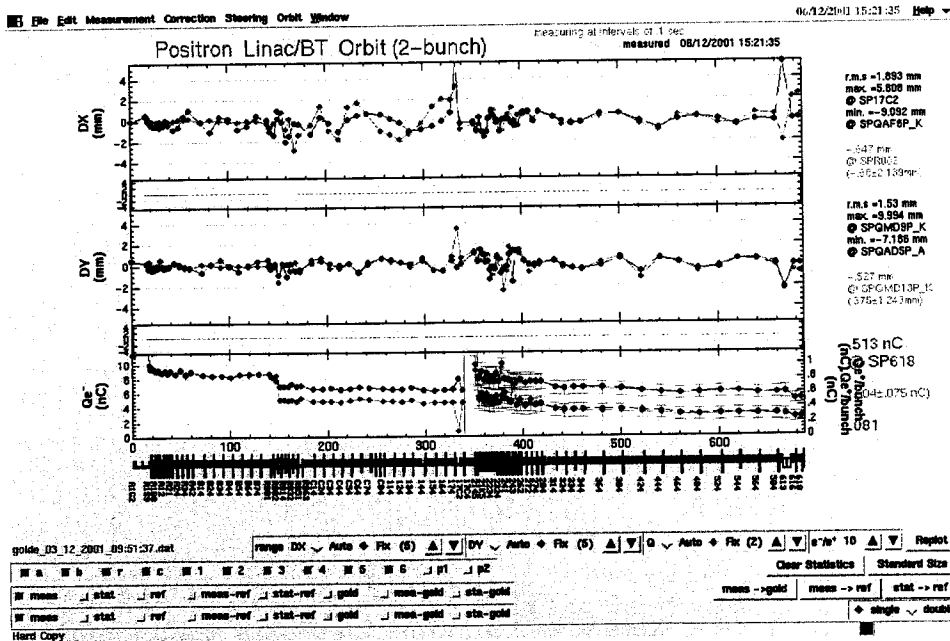


GUN Pulse 1 0540 → 0400
軌道補正 A, B セット (カ1バンチ)

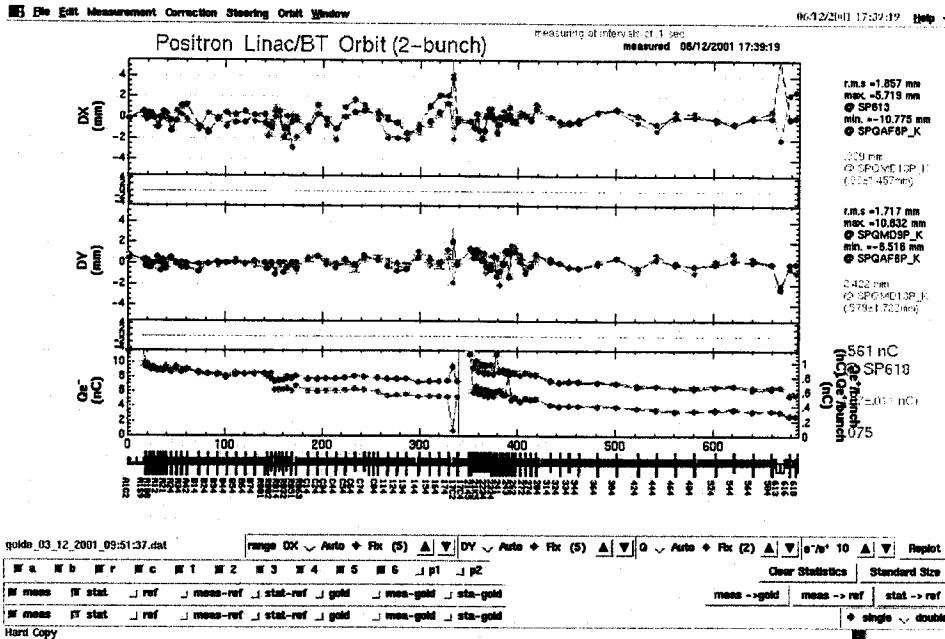


軌道補正 A, B セット (カ2バンチ)



Gun 010612-2 bunch (#1に24と小L減512, #2と同じ割合で値)
 mag Data 836.all (2 Bunch A B)
 Trig Data 25. delay all
 Phase Data 313. phase.all
 A7 delay 値は 4.53

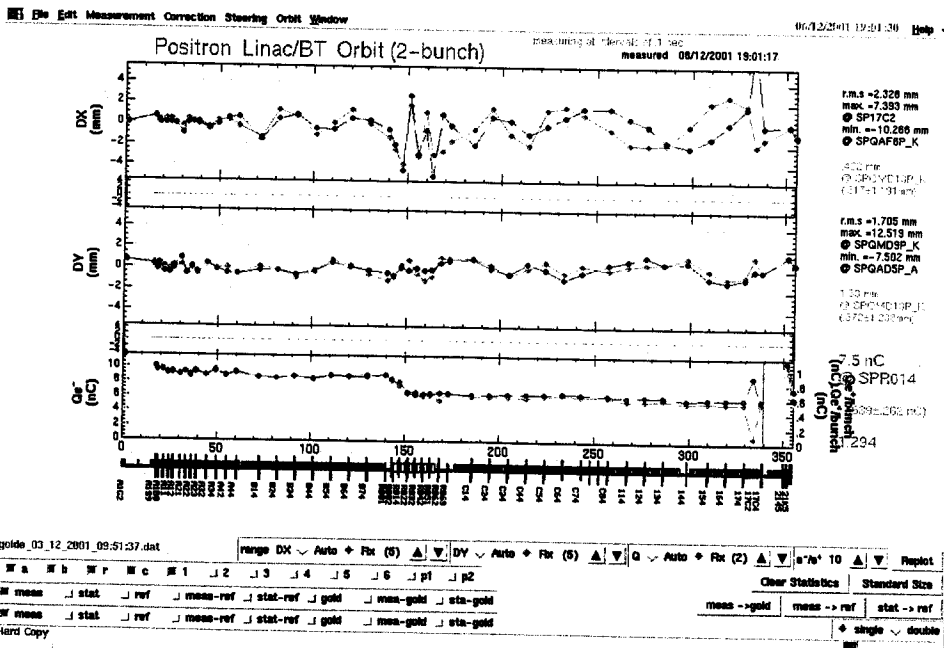
Feedback on 状態



Trig delay A 49004 → 49118 ns (+44)^{ns}
 " B 49086 → 49062 ns (-24)^{ns}
 49056 (-30)^{ns}

Data Delay 29. Delay all
 R save

A/B sectorで軌道が合うように Trig delay を変えた AとBで delay の変えり方向

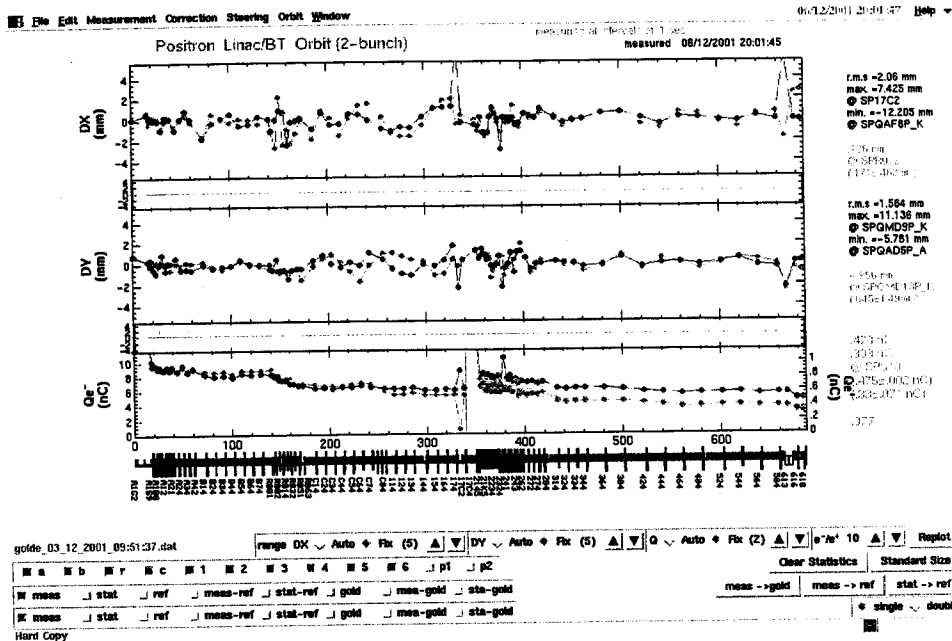


加速はあつた。
 但し注入電圧は 30 MeV
 不足しているため J-ARC
 起動できない。

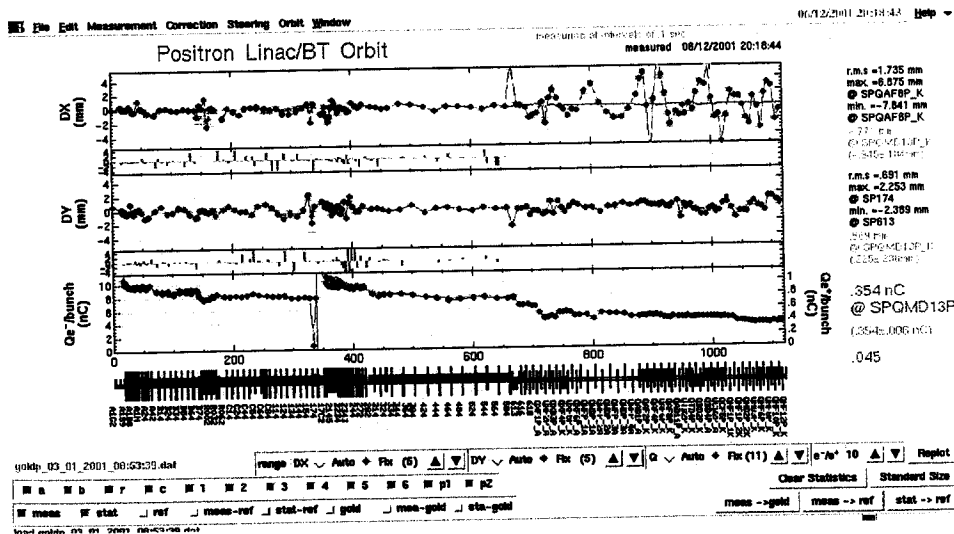
工本機-17"とヒ-4の位相関係

KL-B5 θ_{max}
 KL-B6 $\theta_{max} \sim 132^\circ$

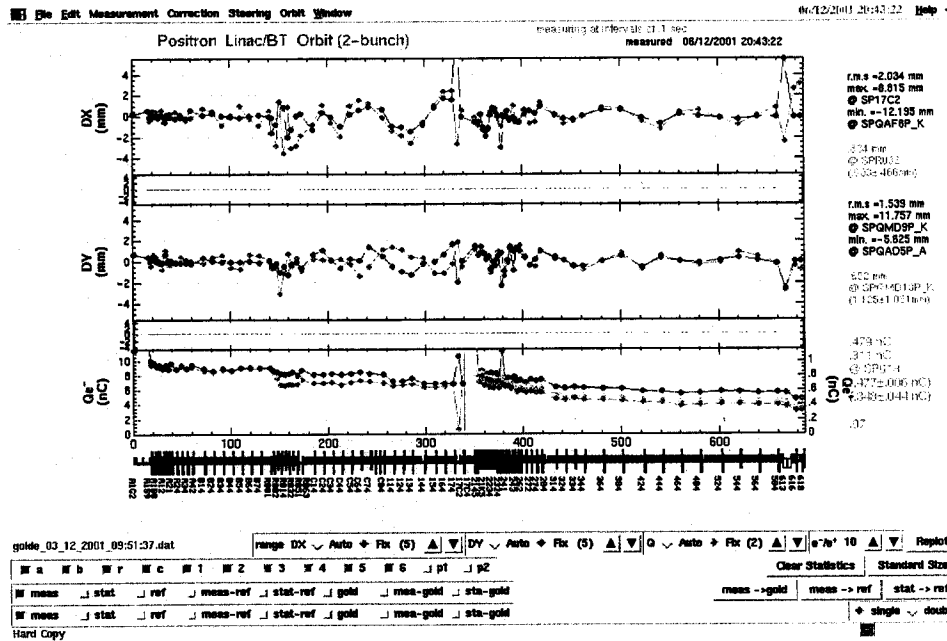
SB-A $113^\circ \rightarrow 115^\circ \rightarrow 113^\circ$
 SB-B $358^\circ \rightarrow 355^\circ \rightarrow 365^\circ$



営業運転状態

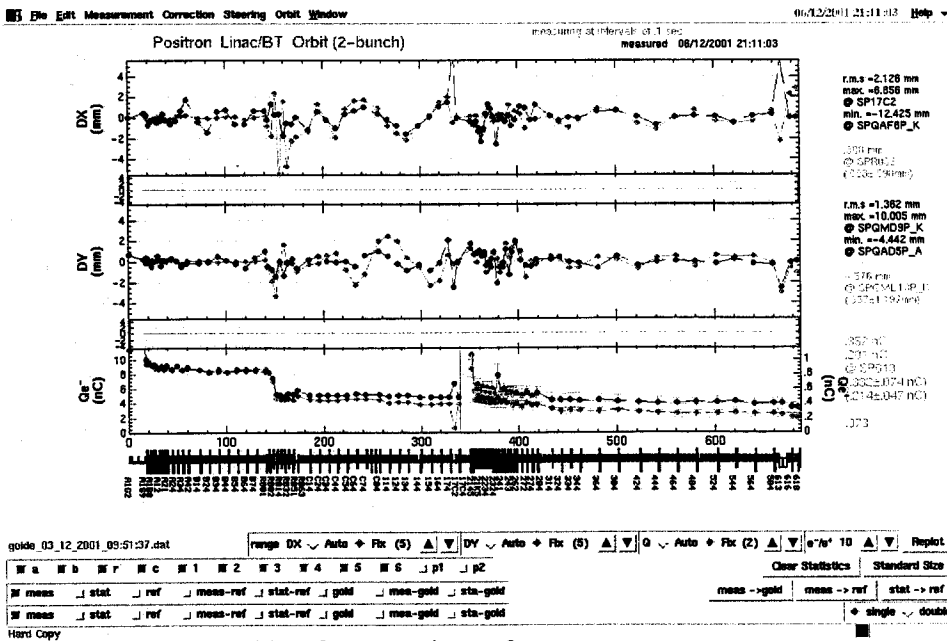


軌道補正 (A, Bセクター 为1バ2分)



A, 軌道変化発生

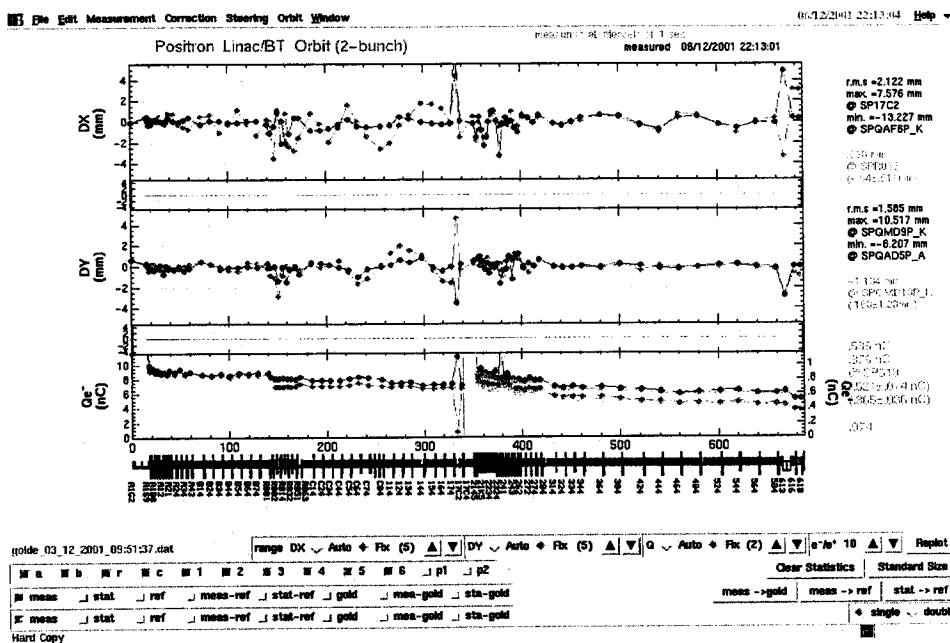
軌道補正 (A, Bセクター 为2バ2分)



overall A 49118 nS
 7 B 49067 nS

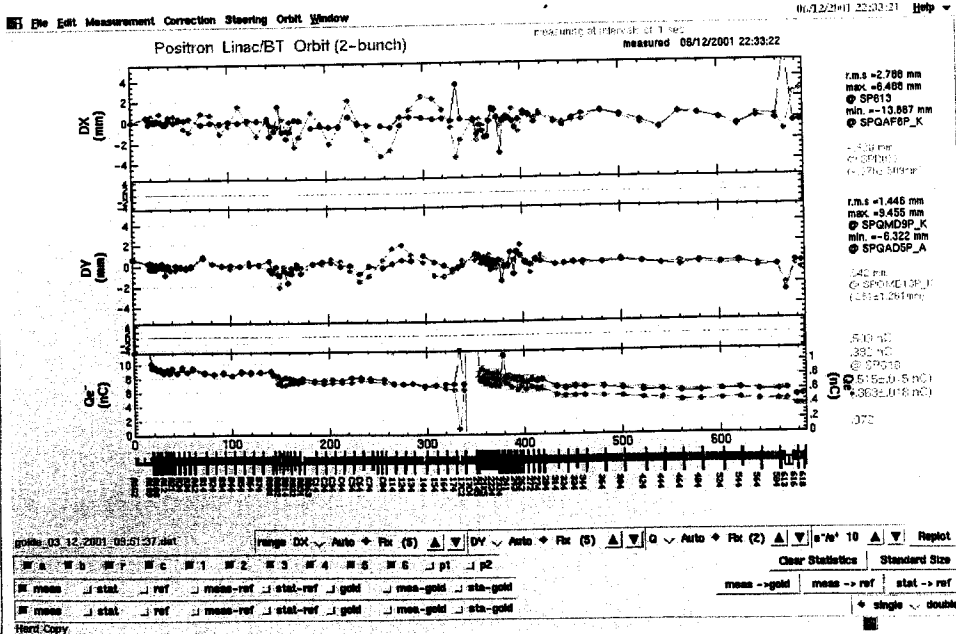
Gun delay 2 OBE0 → π
 SB-A 117° → 113° → 115°
 SB-B 369° → 365° → 368°

C~1 軌道補正 (カ1バ2千)

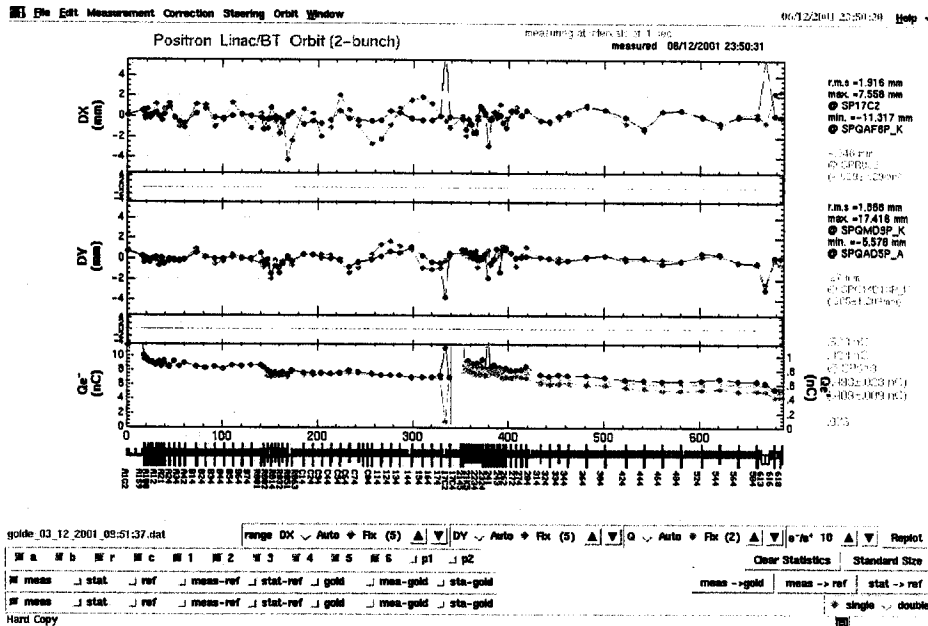


Trig delay overall C 50905 ns → π
 Gun delay 2 OBE0 → π
 SHB 1 150.6° → π
 SHB 2 163.0° → π
 overall B 49067°

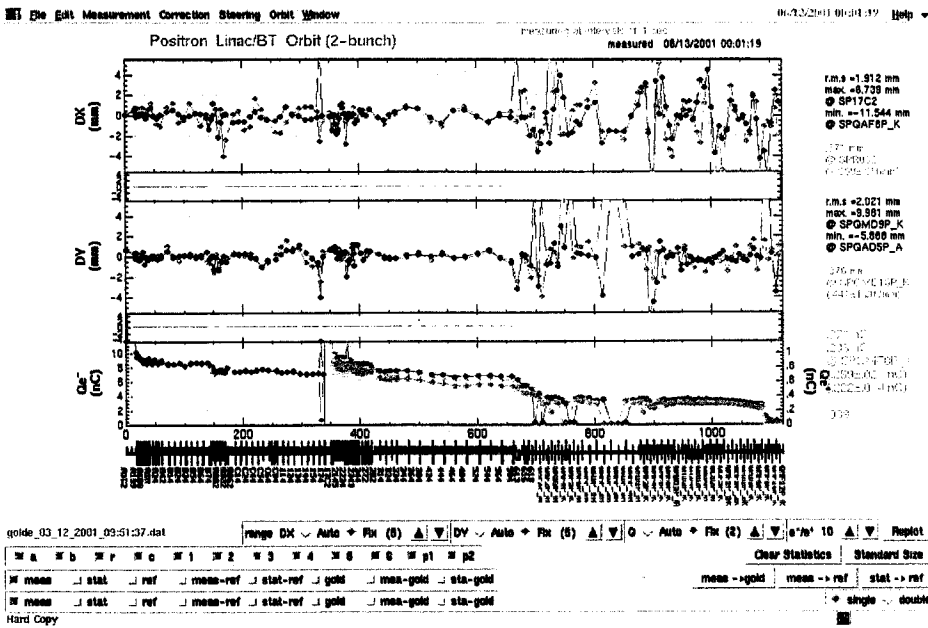
→ data 30 delay, all!



Prebuncher $\theta = 375.3^\circ \rightarrow 365.1^\circ$
 Buncher $\theta = 148.9^\circ \rightarrow 147.9^\circ$ } "010612-2bunch" is same



Q
 No. 1 0.52810
 No. 2 0.42710
 $\frac{Q_1 + Q_2}{Q_0} = \frac{0.955}{0.61} = 1.56$



$\frac{0.271 + 0.236}{0.354} = \frac{0.507}{0.354} = 1.43$

Trig delay Data 31, delay, all
 Mag Data 844, all
 phase Data 315, phase, all } is same

2001.6.12

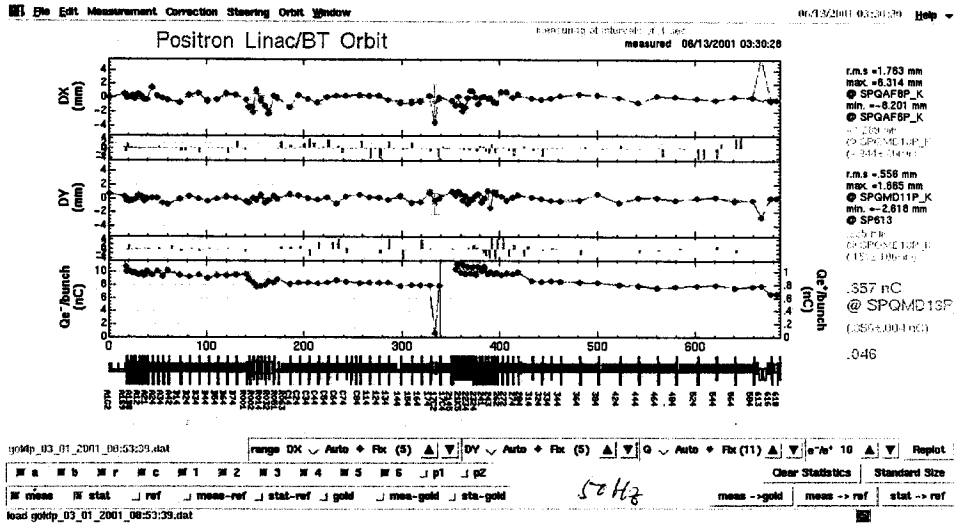
2-Bunch Beam Study Parameters

BT data844.all (2Bunch Operation)
 Trigger data31.delay.all (Two-Bunch 2001/6/12)
 Phase data315.phase.all (2Bunch 234 Adjusted)
 GU_A1 010612-2bunch
 PB.B 010612-2bunch

Feedback は状況に応じ、START させる。

Single Bunch Parameters (Operation)

Trigger data28.delay.all
 (Single-Bunch Operation)
 GU_A1 KEKB #4
 PB.B DATA #1



52Hz

SP-A1-B8	10.714 nC	SP-22-15	1.046 nC	入射ビーム
SP-B7-4	9.830	SP-58-4	0.780	
SP-C8-4	8.296	SP-61-8	0.683	
SP-17-C4	8.060	BT END	0.371	

② 2バンチ加速スタディー

② 作業項目

- (1) A1-Buncher部の Beam Energy 測定.
 - (2) A1出口部の Energy 測定 + ｺﾝﾃﾞｲｼﾞﾝｸﾞ. bunch 1/2の Energy ｺﾝﾃﾞｲｼﾞﾝｸﾞ. By A1 RF
 - (3) スﾄﾘｰｸﾞﾗｲﾝ 上の A1出口部の bunch形状測定 ↓
 - (4) A4出口部の Energy 測定 + ｺﾝﾃﾞｲｼﾞﾝｸﾞ. " "
 - (5) J-arc部 " + ｺﾝﾃﾞｲｼﾞﾝｸﾞ. " "
- By SLED timing (A)
By SLED " (B)

(1) Buncher 出口の Energy

1st Bunch 16.54 MeV
2nd " 14.58 MeV

