

101

21:00

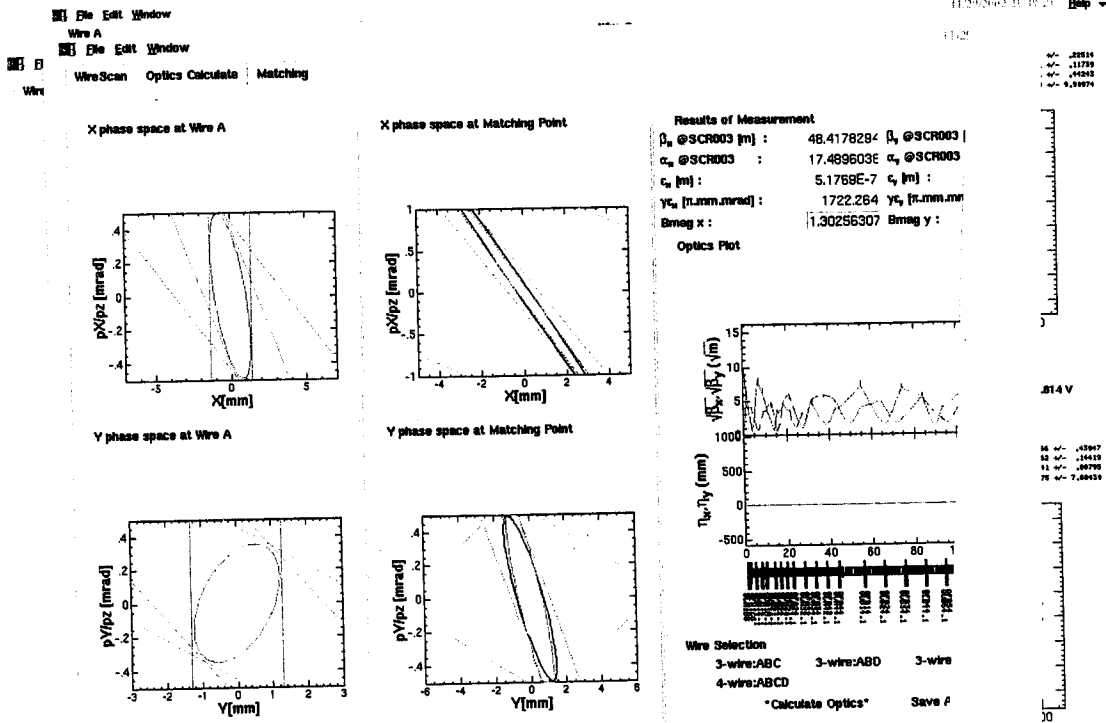
アサ 29時以降、乙 (16:35A) アサをLead, Arc部にはビーム調整に
調整して様子。

21:03

• Ceta-WS Matching.

• ~~Beta~~ Beta-WS (eta-A) 17の測定不可。

→ Bump下げた、先頭が軌道補正して、Beta-WS測定可能と存じ、
自由



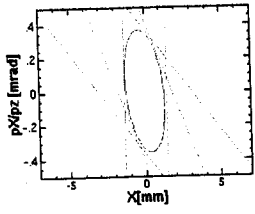
← Bump
17:00
のWS
B500

102

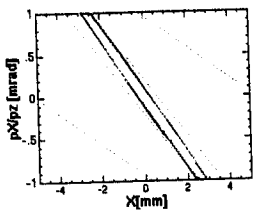
File Edit Window
WireScan Optics Calculate Matching

11/20/2002 01:49:44 Help
15736 04453 04455 04456 72149

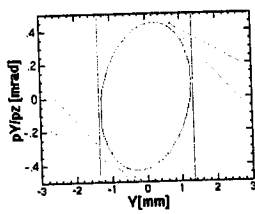
X phase space at Wire A



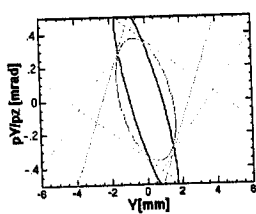
X phase space at Matching Point



Y phase space at Wire A



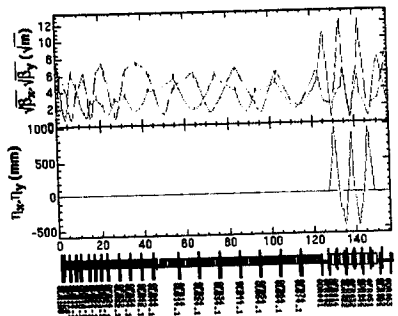
Y phase space at Matching Point



Results of Measurement

β_x @SCR003 [m] :	50.458353C	β_y @SCR003 [m] :	4.8807247E
α_x @SCR003 :	18.658222E	α_y @SCR003 :	4.4011662E
c_x [m] :	4.5787E-7	c_y [m] :	5.5461E-7
Y_{rms} [mm,mrad] :	1523.243	Y_{rms} [mm,mrad] :	1845.078
Bmag x :	1.1296642E	Bmag y :	1.5340322E

Optics Plot



Wire Selection

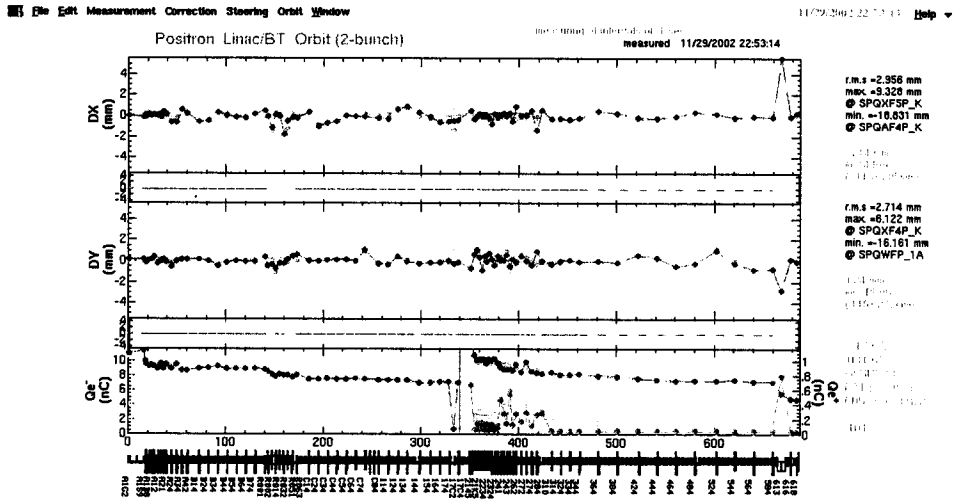
3-wire:ABC 3-wire:ABD 3-wire:ACD 3-wire:BCD
4-wire:ABCD
Calculate Optics Save All Parameters

Bump
立て時
の
WS
Bsec

The Calculation for Q-Mag values are RESET to saved value.

File Pref ReFl -373.014 v
Hard Copy

File Pref ReFl -373.014 v



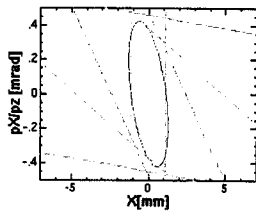
gohle 03 18 2002 20:17:13.dat range DX Auto + Fix (5) DY Auto + Fix (5) Qz Auto + Fix (11) Report
 Clear Statistics Standard Size
 mess -> gold mess -> ref stat -> ref
 + single double

1st Bunch = LT ABCI Orbit Correction
 ↓ Bec WS 22912

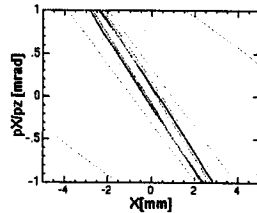
File Edit Window Wire A Wire C
 Chisquare = 516239, Goodness = .14899 Chisquare = 73279, Goodness = .14899

File Edit Window WireScan Optics Calculate Matching 11/29/2002 22:03:25 Help

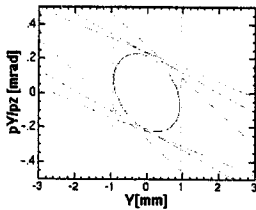
X phase space at Wire A



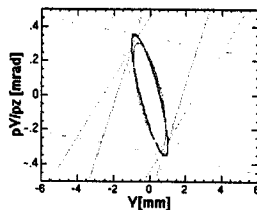
X phase space at Matching Point



Y phase space at Wire A

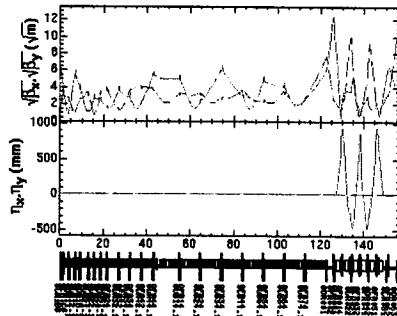


Y phase space at Matching Point



Results of Measurement
 β_x @ SCRO03 [m] : 65.5395894 β_y @ SCRO03 [m] : 4.3518189E
 α_x @ SCRO03 : 25.9303812 α_y @ SCRO03 : 1.0213346E
 ϵ_x [m] : 4.8018E-7 ϵ_y [m] : 1.8324E-7
 γ_x [r.mm.mrad] : 1587.514 γ_y [r.mm.mrad] : 642.886
 Bmag x : 1.53980507 Bmag y : 1.05824714

Optics Plot



Wire Selection
 3-wire:ABC 3-wire:ABD 3-wire:ACD 3-wire:BCD
 4-wire:ABCD

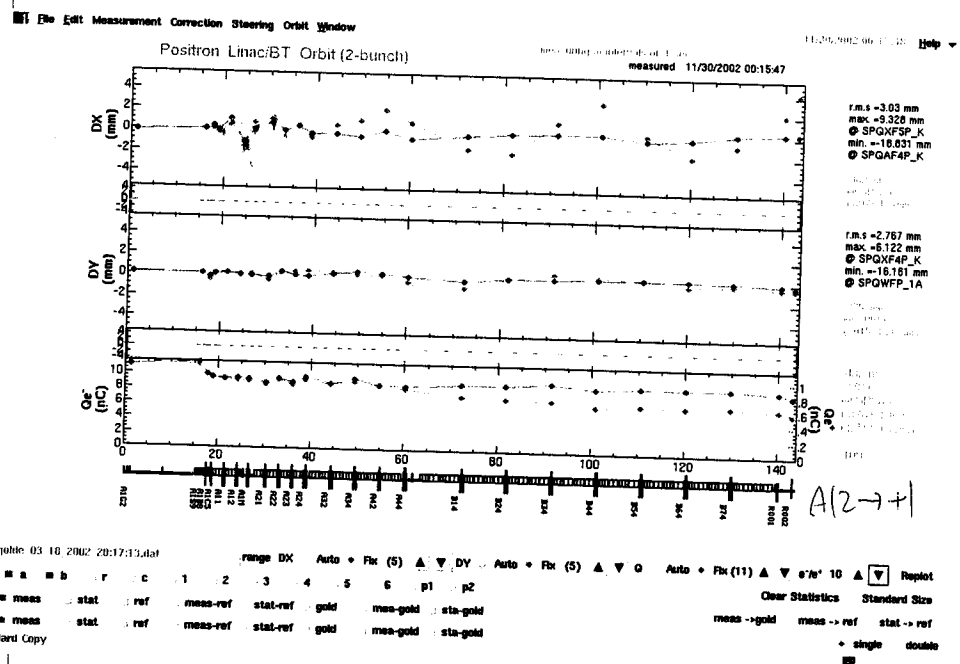
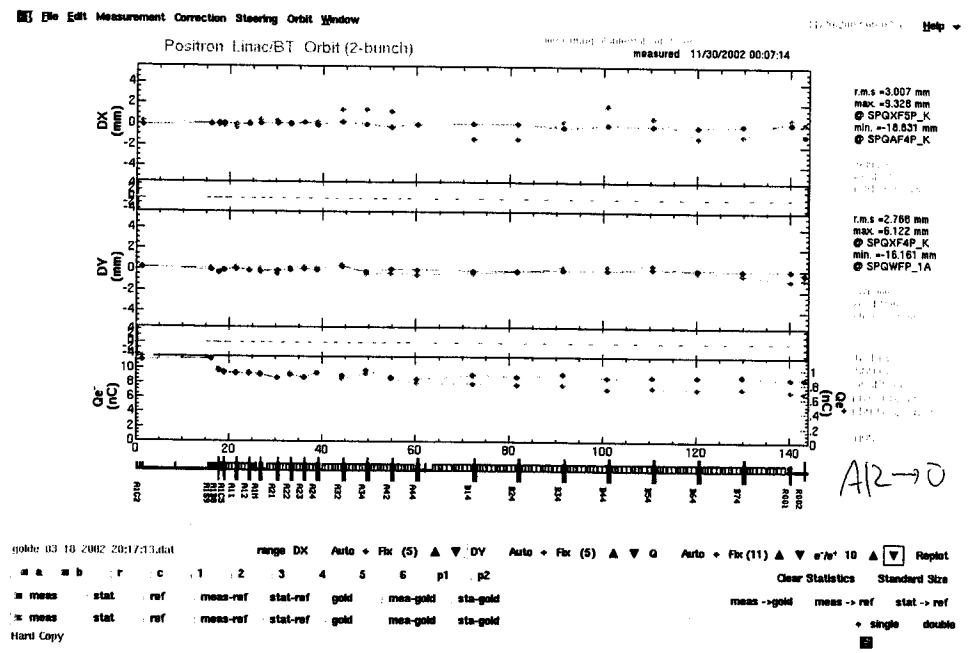
Calculate Optics Save All Parameters

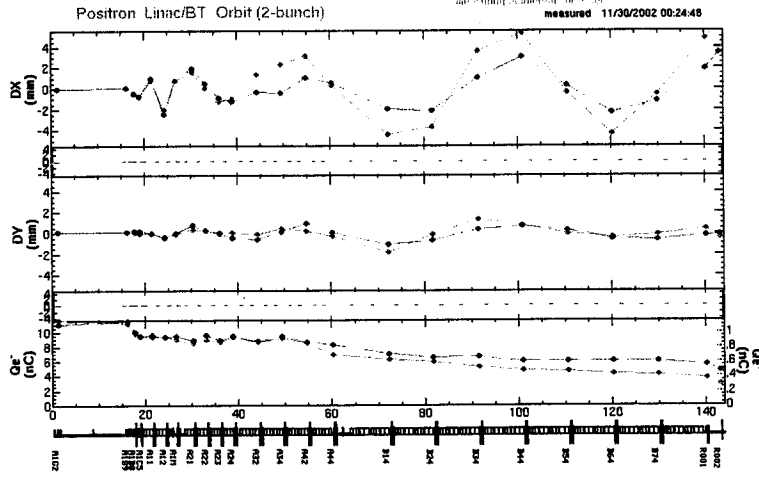


12-05

(FRT-5)

{ SPAICS → 8
 A12 → Bump Height
 A21 → 0





gplde 03 10 2002 20:17:13.dat

range DX Auto + Fix (5) ▲ ▼ DY Auto + Fix (5) ▲ ▼ Q Auto + Fix (11) ▲ ▼ e'/s' 10 ▲ ▼ Replot

Clear Statistics Standard Size

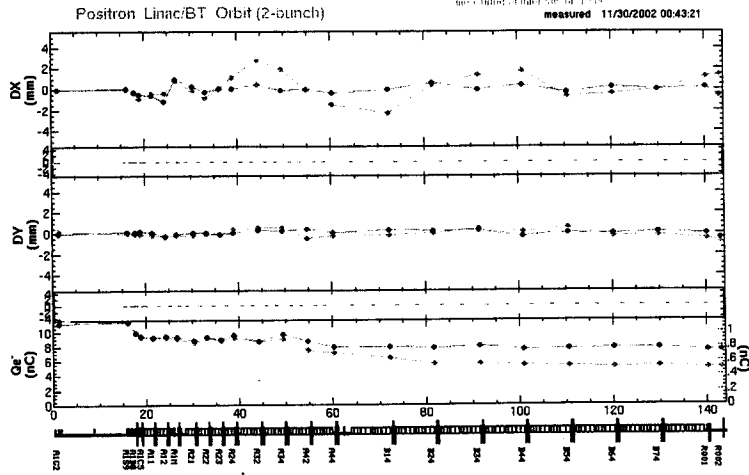
meas -> gold meas -> ref stat -> ref

meas stat ref meas-ref stat-ref gold meo-gold sta-gold

meas stat ref meas-ref stat-ref gold meo-gold sta-gold

Hard Copy

+ single double



gplde 03 10 2002 20:17:13.dat

range DX Auto + Fix (5) ▲ ▼ DY Auto + Fix (5) ▲ ▼ Q Auto + Fix (11) ▲ ▼ e'/s' 10 ▲ ▼ Replot

Clear Statistics Standard Size

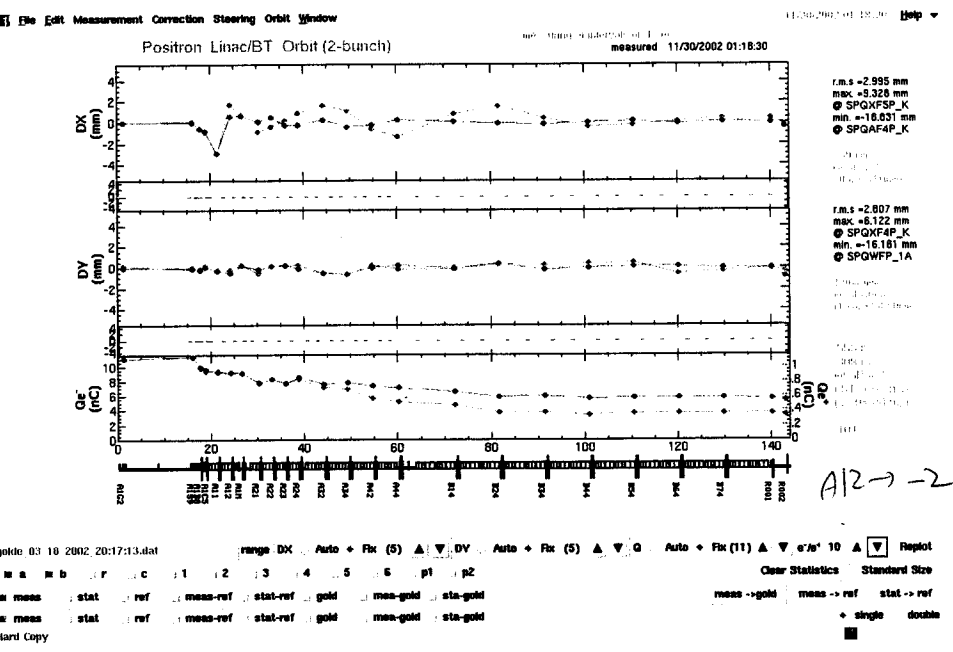
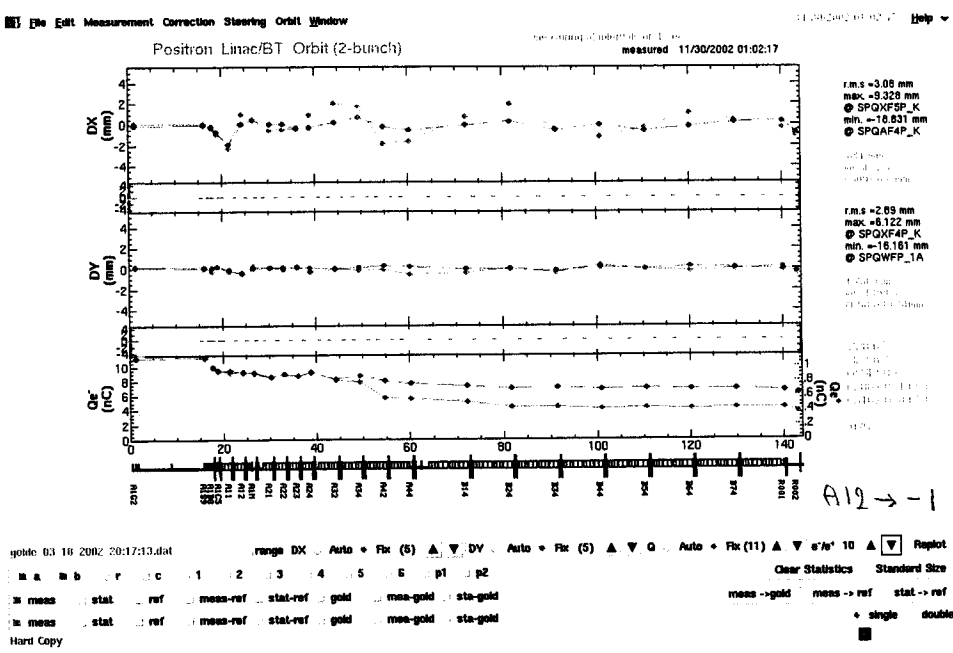
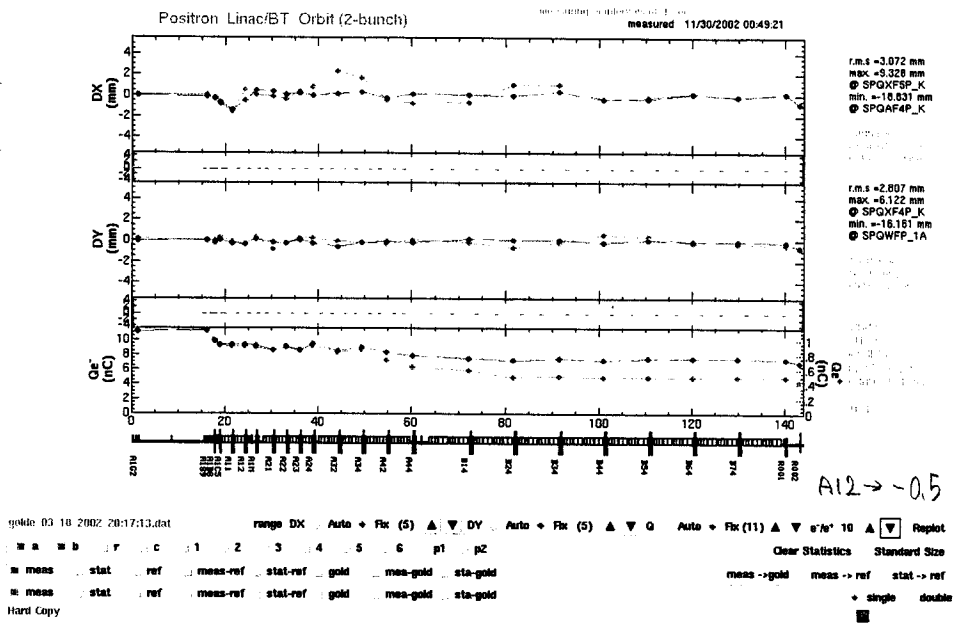
meas -> gold meas -> ref stat -> ref

meas stat ref meas-ref stat-ref gold meo-gold sta-gold

meas stat ref meas-ref stat-ref gold meo-gold sta-gold

Hard Copy

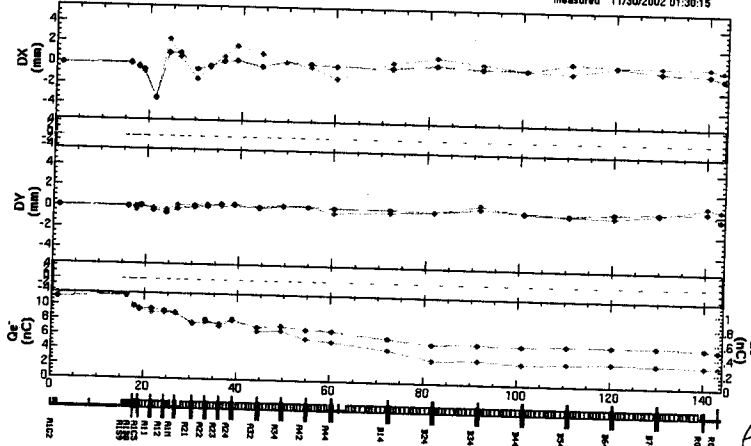
+ single double



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Positron Linac/BT Orbit (2-bunch)

measured 11/30/2002 01:30:15



r.m.s = 2.965 mm
 max = 5.328 mm
 ● SPQXFSP_K
 min = -18.831 mm
 ● SPQAFAP_K

r.m.s = 2.881 mm
 max = 6.122 mm
 ● SPQXFAP_K
 min = -16.161 mm
 ● SPQWFP_1A

AR2 -2.5

note 03 10 2002 20:17:13.dat

range DX Auto + Fix (5) ▲ ▼ DY Auto + Fix (5) ▲ ▼ Q Auto + Fix (11) ▲ ▼ e/n 10 ▲ ▼ Replot

mes stat ref mes-ref stat-ref gold mes-gold sta-gold

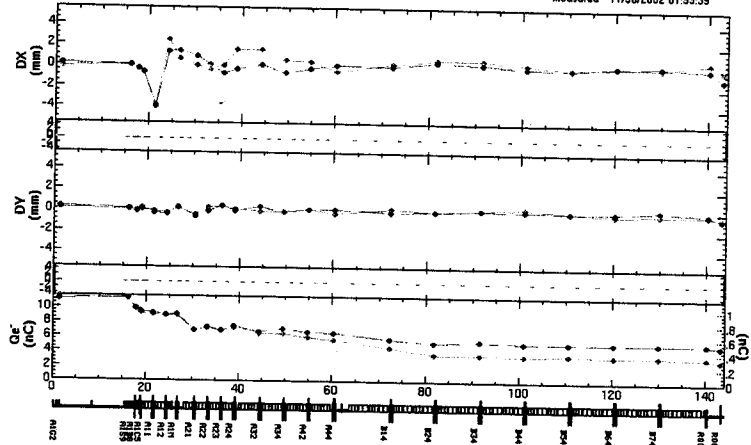
mes stat ref mes-ref stat-ref gold mes-gold sta-gold

mes -> gold mes -> ref stat -> ref

single double

Positron Linac/BT Orbit (2-bunch)

measured 11/30/2002 01:53:39



r.m.s = 3.023 mm
 max = 5.328 mm
 ● SPQXFSP_K
 min = -18.831 mm
 ● SPQAFAP_K

r.m.s = 2.76 mm
 max = 6.122 mm
 ● SPQXFAP_K
 min = -16.161 mm
 ● SPQWFP_1A

AR2 -3

note 03 10 2002 20:17:13.dat

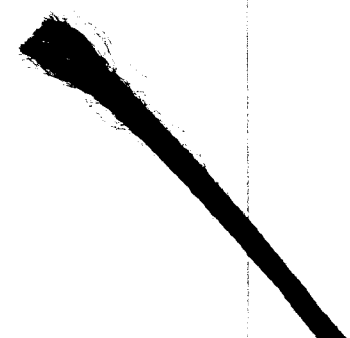
range DX Auto + Fix (5) ▲ ▼ DY Auto + Fix (5) ▲ ▼ Q Auto + Fix (11) ▲ ▼ e/n 10 ▲ ▼ Replot

mes stat ref mes-ref stat-ref gold mes-gold sta-gold

mes stat ref mes-ref stat-ref gold mes-gold sta-gold

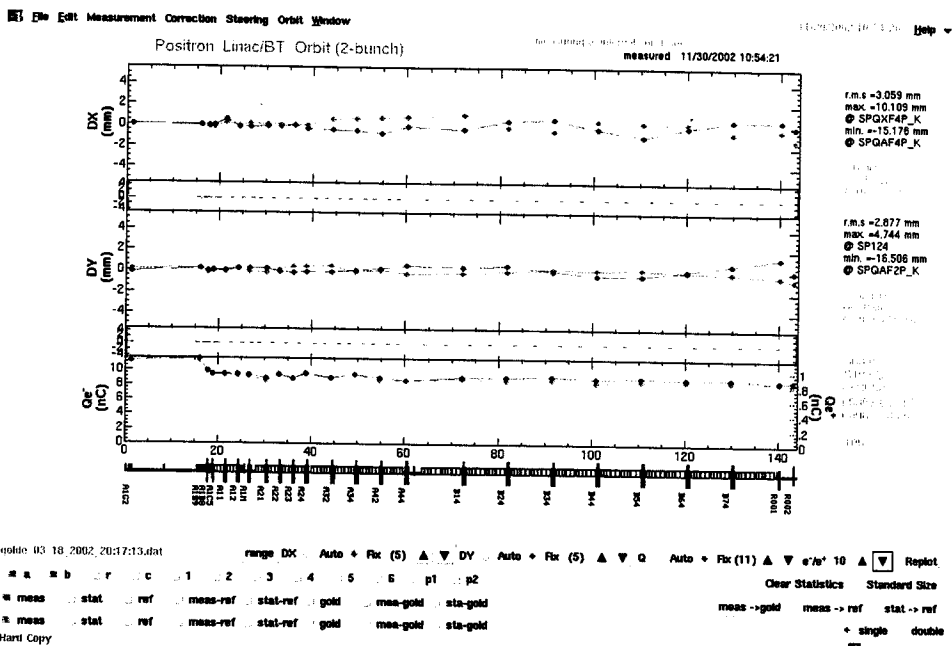
mes -> gold mes -> ref stat -> ref

single double



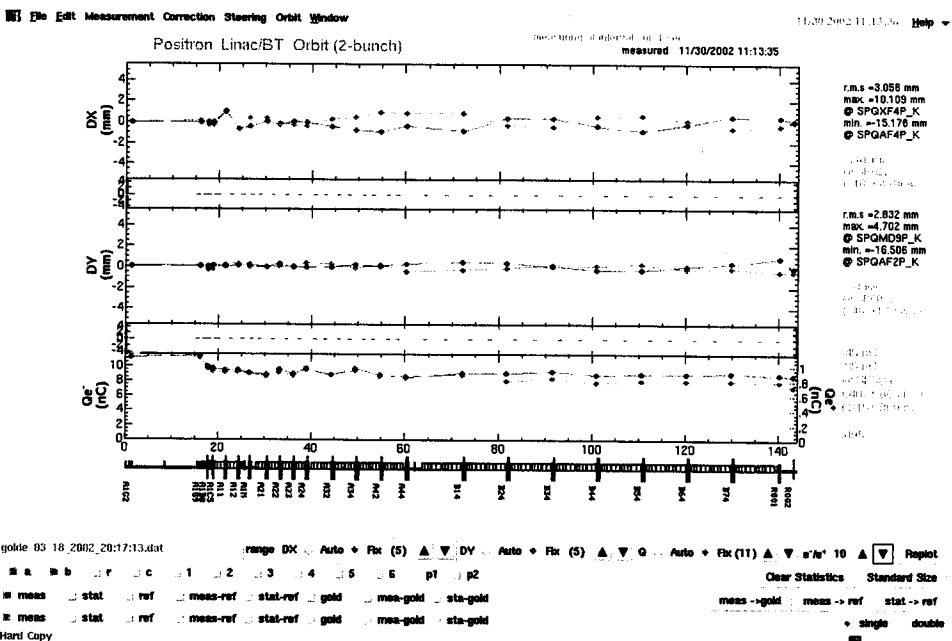
2002.11.30

108



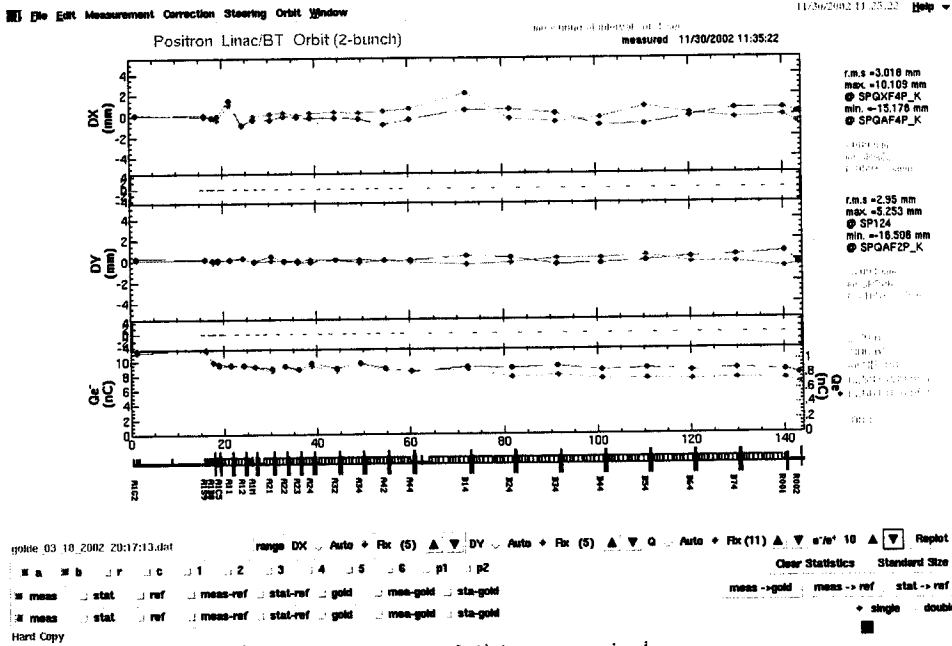
30 nov 2002 test 5 SPA12 +0.5 - bdata
30 nov 2002 test 5 SPA12 +0.5

A1-C5 0
A12 +0.5
A21 0

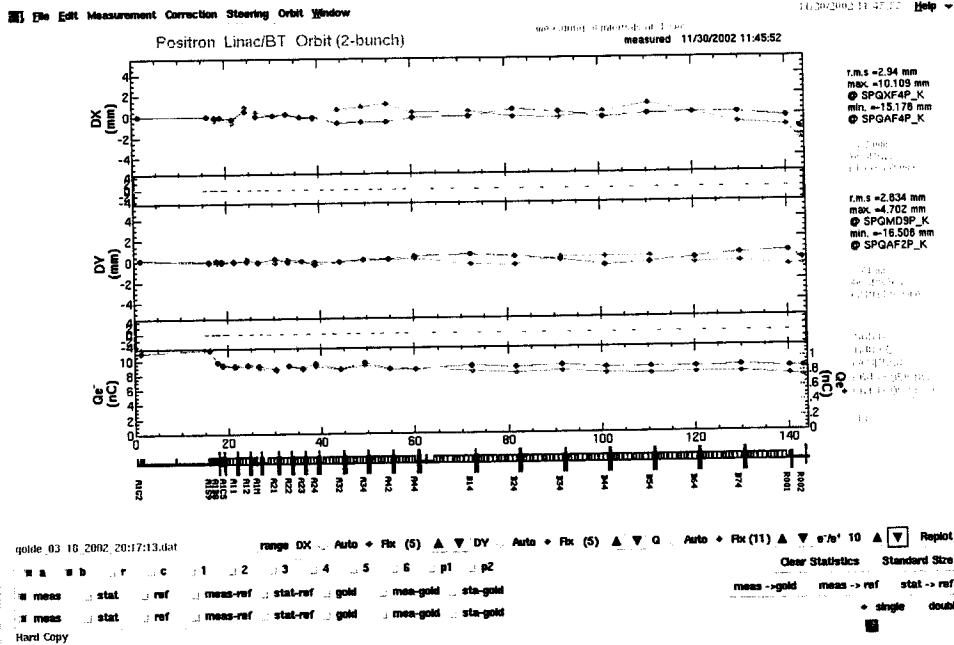


30 nov 2002 test 5 SPA12 +1.0 - bdata
30 nov 2002 test 5 SPA12 +1.0

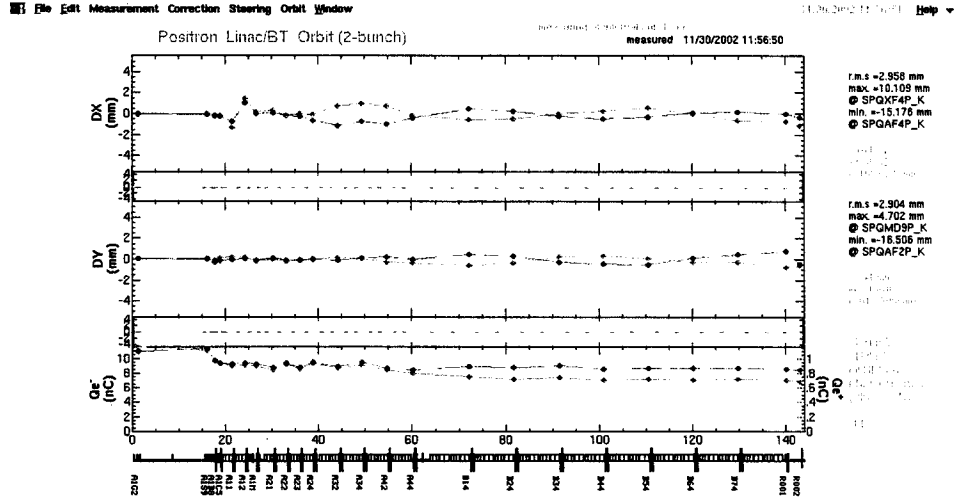
A1-C5 0
A12 +1.0
A2 0



A105 0
 A12 +1.5
 A21 0



A105 0
 A12 -0.5
 A21 0



gohle 03 16 2002 20:17:33.dat range DX Auto + Fix (5) Δ ∇ DV Auto + Fix (5) Δ ∇ Q Auto + Fix (11) Δ ∇ e/Ar' 10 \square Replot

Clear Statistics Standard Size

meas stat ref meas-ref stat-ref gold mas-gold sta-gold meas->gold meas->ref stat->ref

Hard Copy

30 nov 2002 test 5 SPA 12 - 1.0 - btdata
 30 nov 2002 test 5 SPA 12 - 1.0

A1C5 0
 A12 -1.0
 A21 0