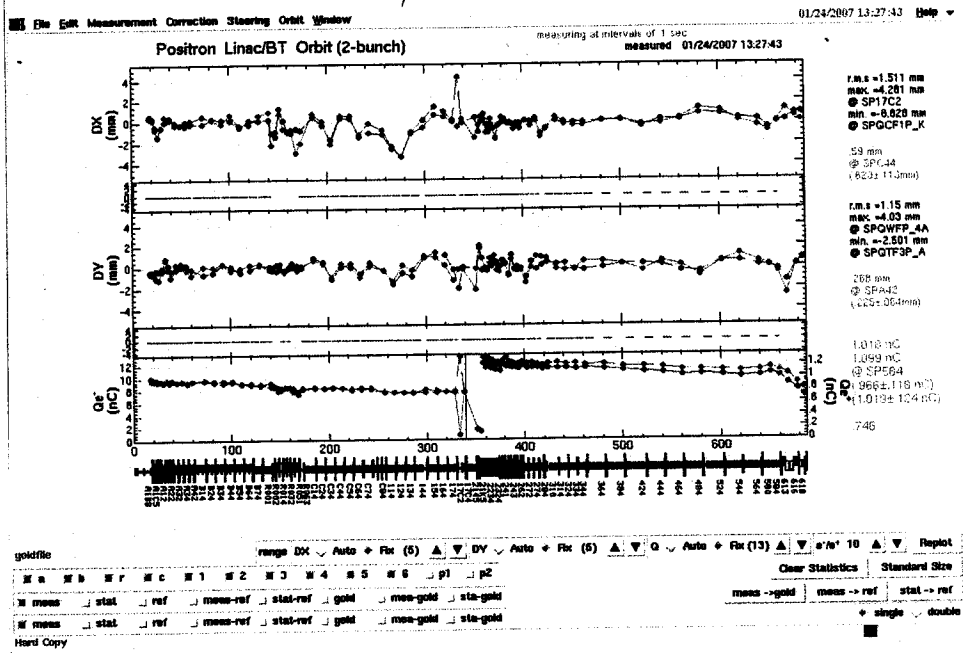
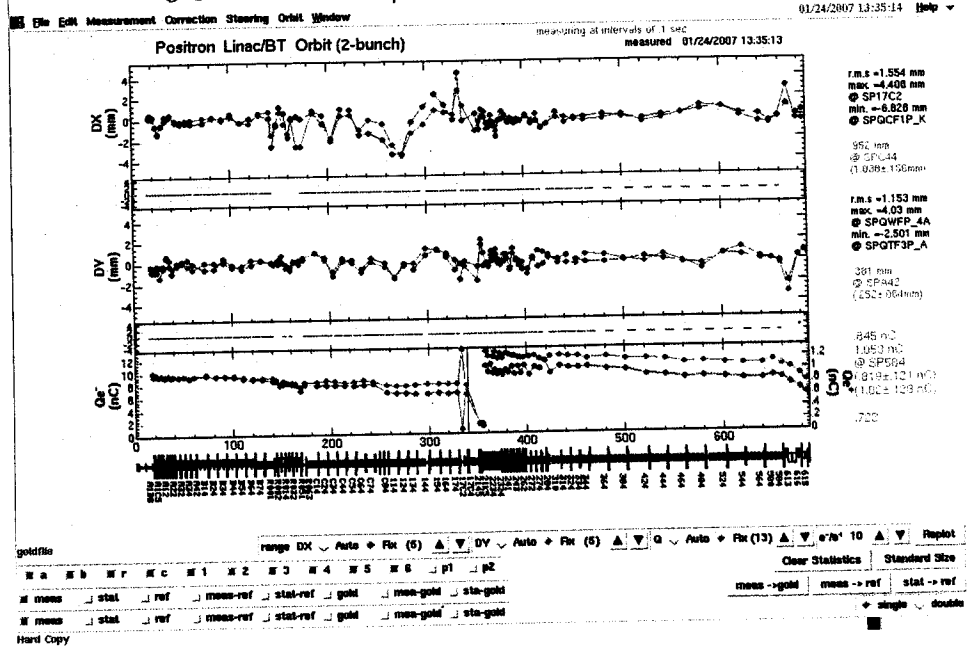
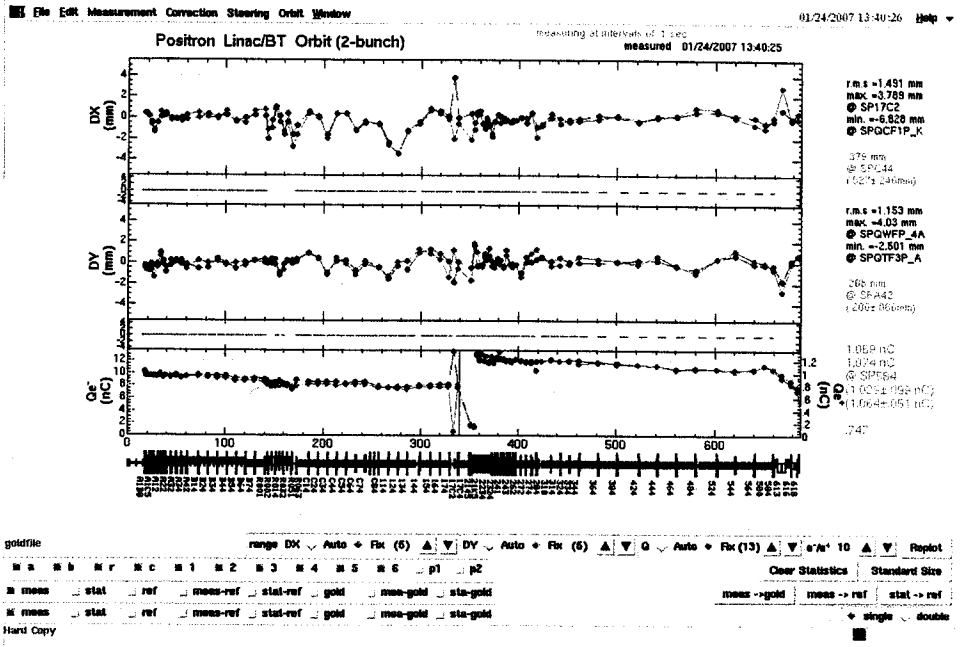
SB_A.B ϕ 85.5° (−1°)



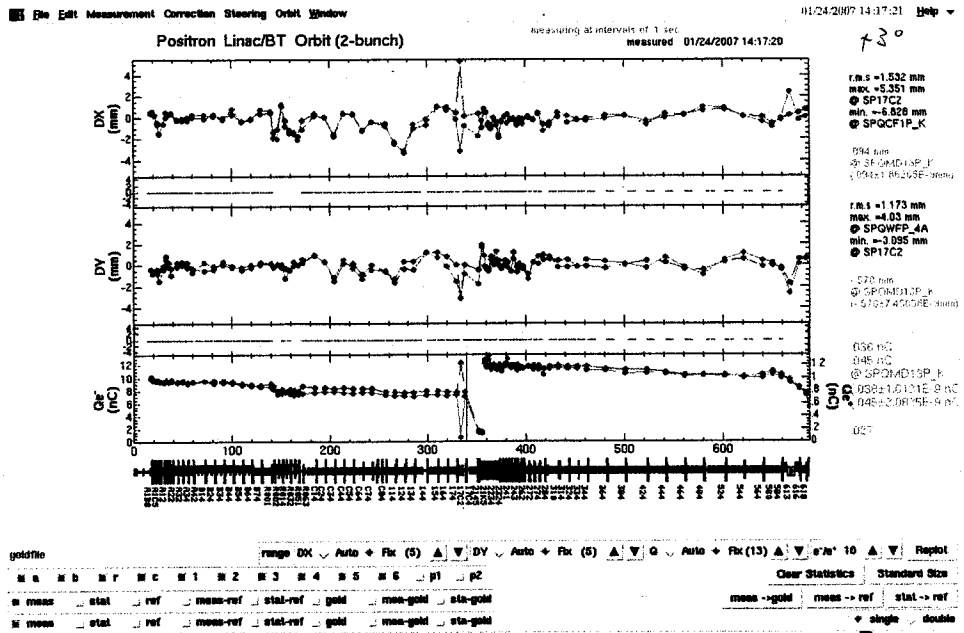
SB_A.B ϕ 84.5° (−2°)



SB_A.B φ86.5° (0°)

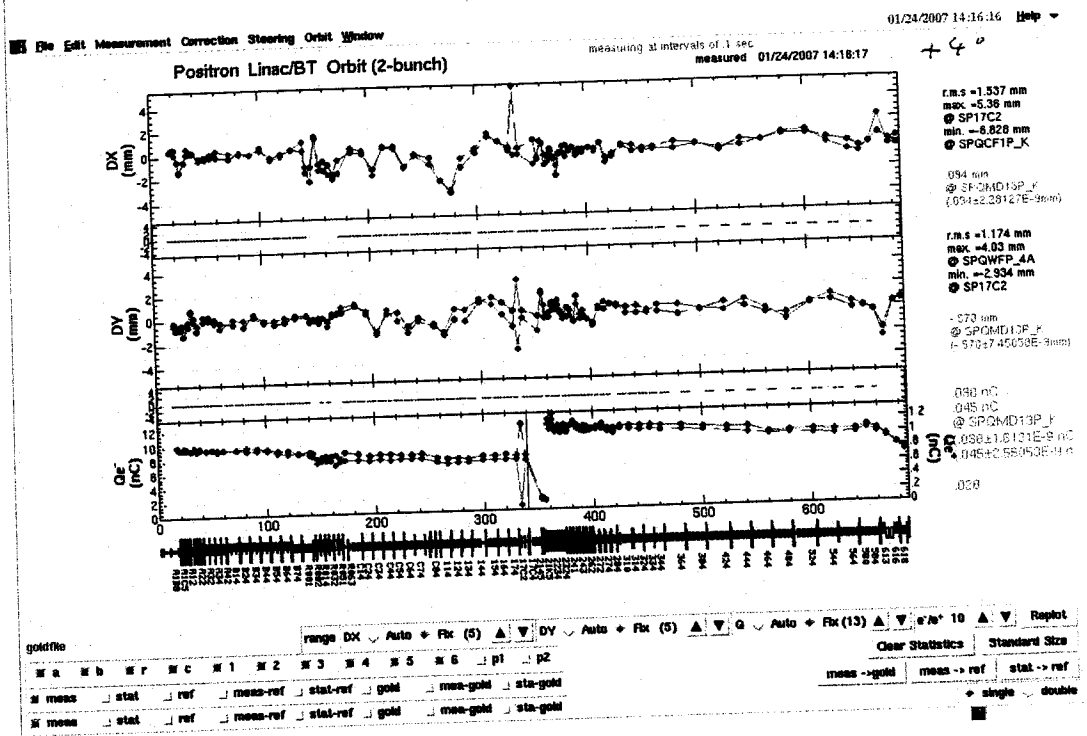


SB_A.B φ89.5° (+3°)

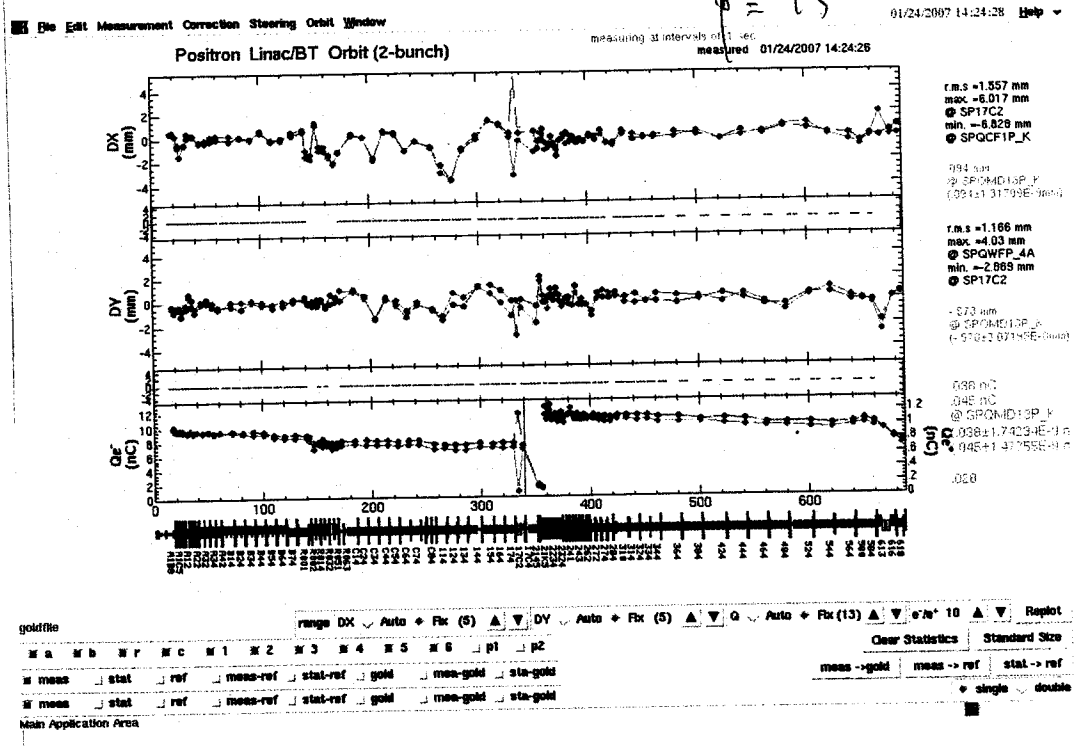


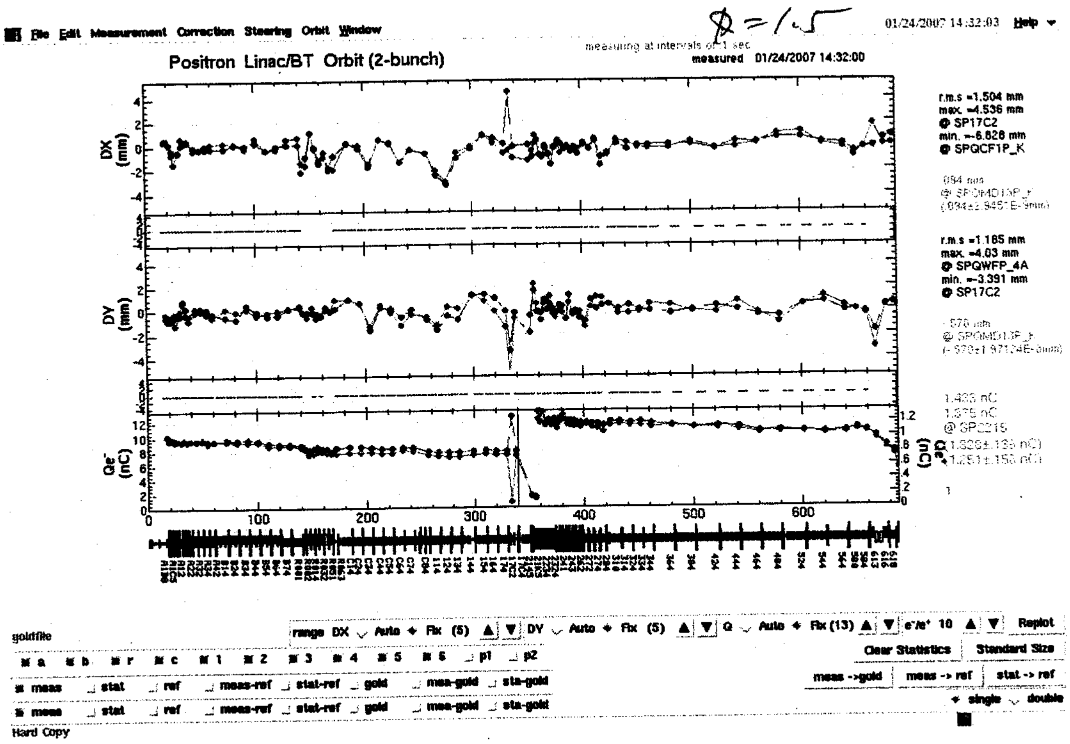
123

SB_A_B ∅ 90.5° (+4°)



φ = +5°

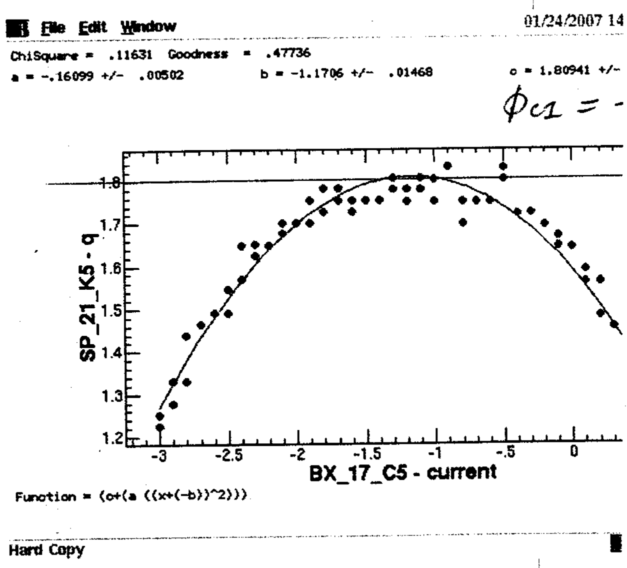




…:35 $\Phi_{AB} = +1.5^\circ$ にする。決める。

SBC.1 の Φ dependence を調べる。 (Φ1 89.0° / ΦC 89.1°)

	ΦC1
14:36	+1
14:40	+2
14:46	+3
14:	+4
15:00	+6
	+8
	−1
	−3
15:15	−5

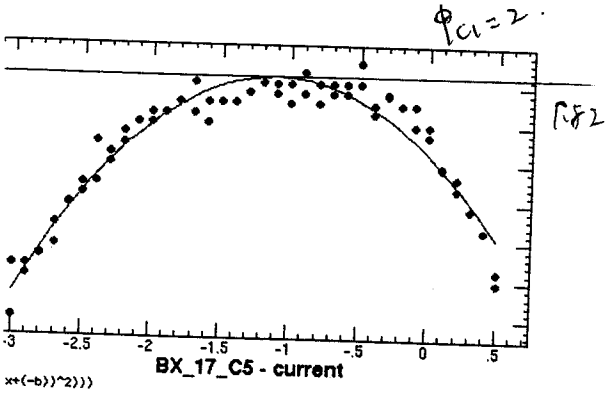


125

ndow 01/24/2007 14:45:53 Help

45 Goodness = .47736

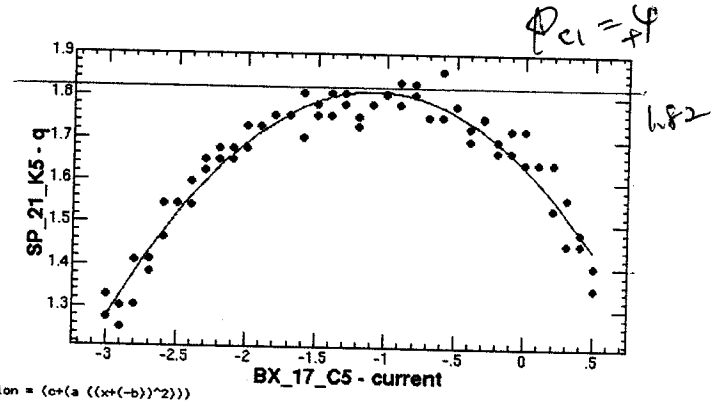
.00525 b = -1.1192 +/- .01607 o = 1.82082 +/- .00756



File Edit Window 01/24/2007 15:01:44 Help

ChiSquare = .11261 Goodness = .47736

a = -.14708 +/- .00494 b = -1.0941 +/- .01644 o = 1.81073 +/- .00709

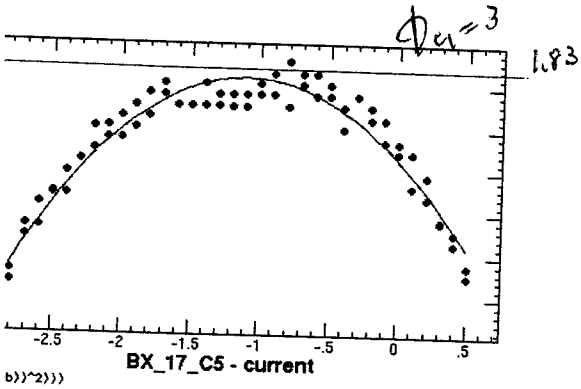


Hard Copy

01/24/2007 14:49:54 Help

Goodness = .47736

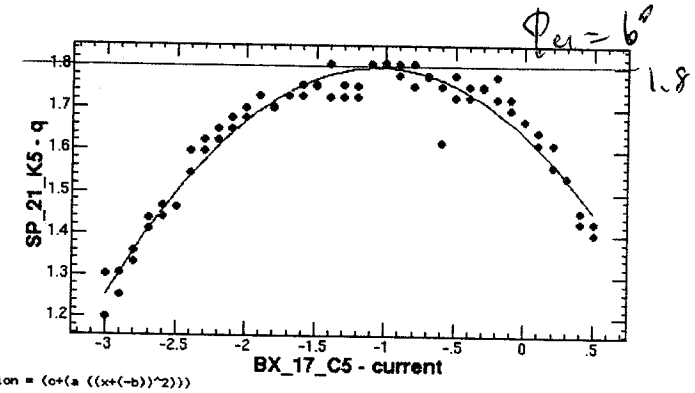
56 b = -1.1114 +/- .01451 o = 1.81970 +/- .00671



File Edit Window 01/24/2007 15:05:37 Help

ChiSquare = .09733 Goodness = .47736

a = -.14292 +/- .00459 b = -1.0533 +/- .01619 o = 1.79630 +/- .00657

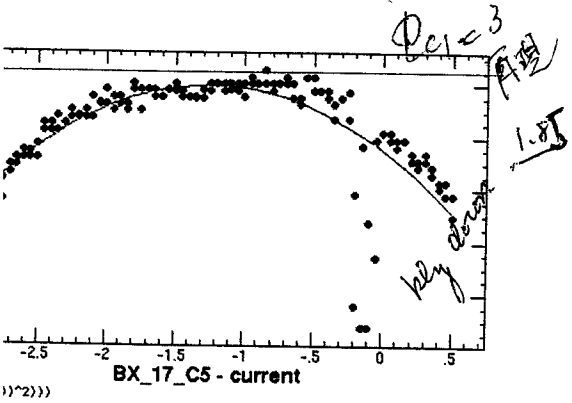


Hard Copy

01/24/2007 14:56:29 Help

dness = .48405

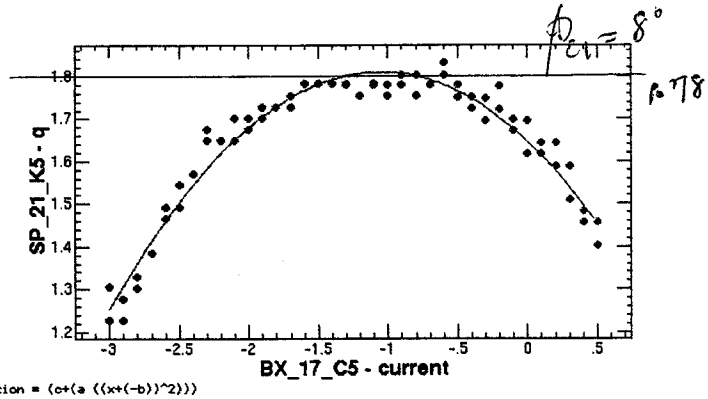
b = -1.2602 +/- .03273 o = 1.79932 +/- .01580



File Edit Window 01/24/2007 15:09:39 Help

ChiSquare = .08637 Goodness = .47736

a = -.14687 +/- .00432 b = -1.0554 +/- .01482 o = 1.80977 +/- .00619



Hard Copy

File Edit Measurement Correction Steering Orbit Window

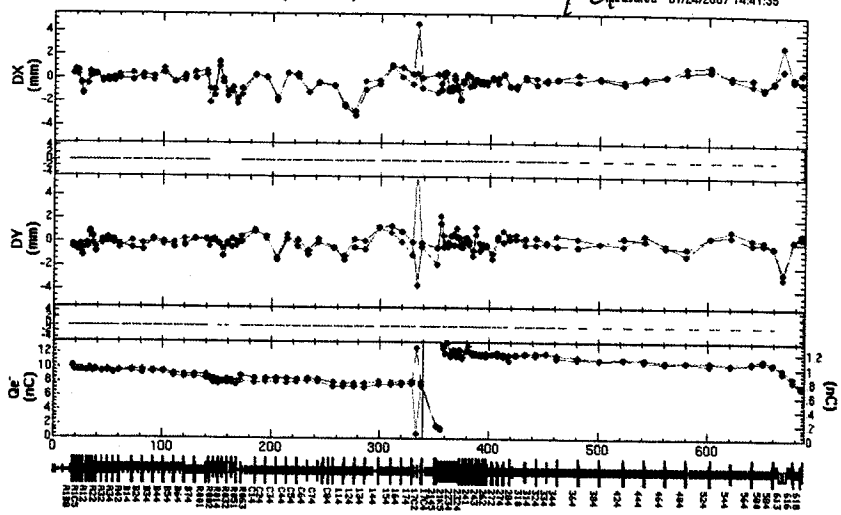
01/24/2007 14:41:34 Help

Positron Linac/BT Orbit (2-bunch)

measuring at intervals of 1 sec

measured 01/24/2007 14:41:35

$\phi_{rf} = +1°$



goldfile range DX Auto + Fix (5) DY Auto + Fix (5) Q Auto + Fix (13) e'/e* 10 Replot

a b r c 1 2 3 4 5 6 p1 p2 Clear Statistics Standard Size

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

meas stat ref meas-ref stat-ref gold meas-gold sta-gold single double

Hard Copy

File Edit Measurement Correction Steering Orbit Window

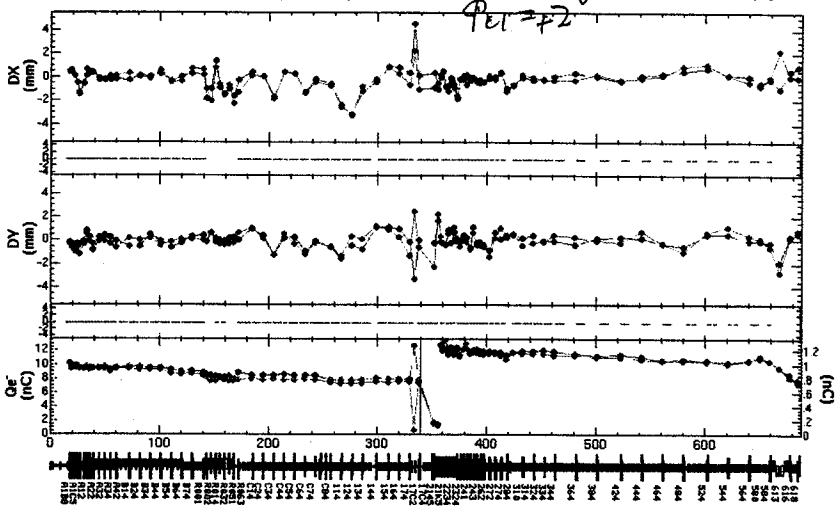
01/24/2007 14:45:40 Help

Positron Linac/BT Orbit (2-bunch)

measuring at intervals of 1 sec

measured 01/24/2007 14:45:40

$\phi_{rf} = \pm 2°$



goldfile range DX Auto + Fix (5) DY Auto + Fix (5) Q Auto + Fix (13) e'/e* 10 Replot

a b r c 1 2 3 4 5 6 p1 p2 Clear Statistics Standard Size

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

meas stat ref meas-ref stat-ref gold meas-gold sta-gold single double

Hard Copy

File Edit Measurement Correction Steering Orbit Window

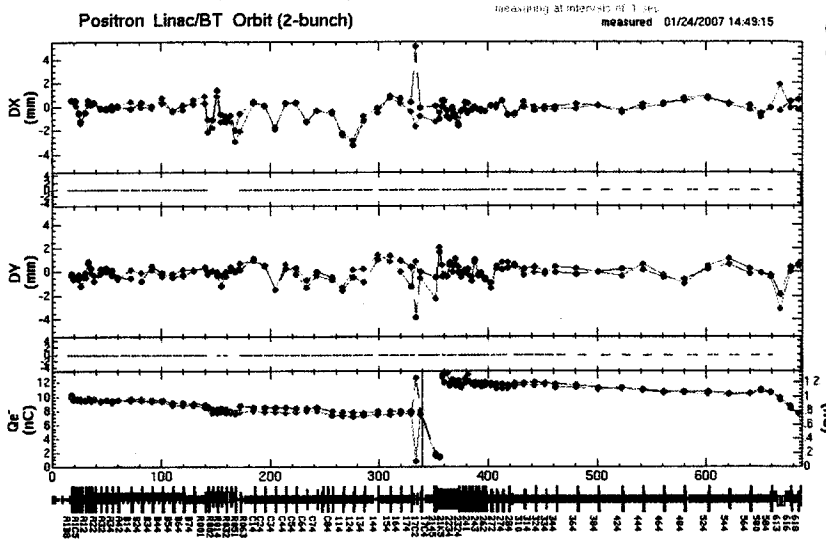
01/24/2007 14:49:17 Help

Positron Linac/BT Orbit (2-bunch)

measuring at intervals of 1 sec

measured 01/24/2007 14:49:15

$\phi_{rf} = 3°$



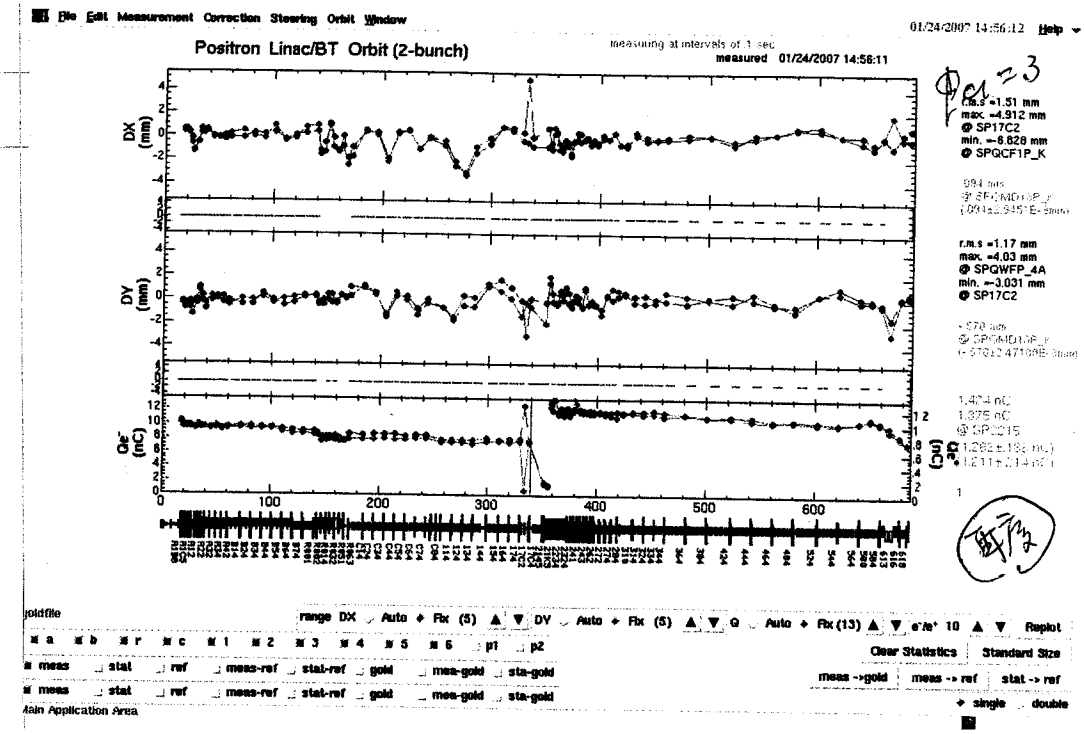
goldfile range DX Auto + Fix (5) DY Auto + Fix (5) Q Auto + Fix (13) e'/e* 10 Replot

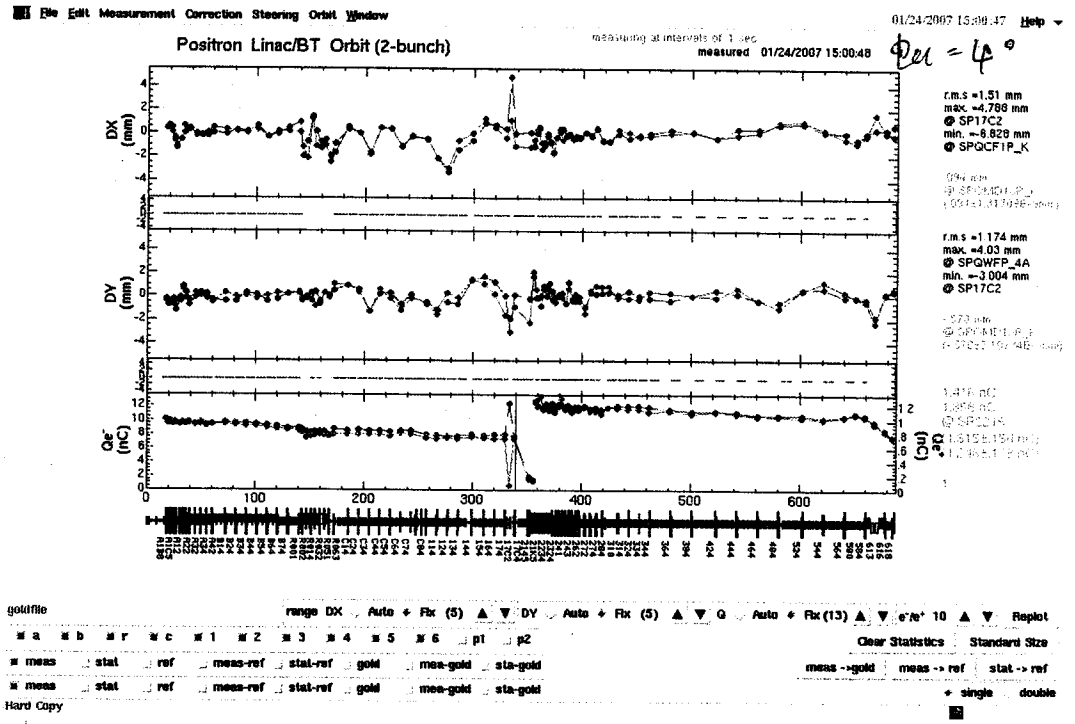
a b r c 1 2 3 4 5 6 p1 p2 Clear Statistics Standard Size

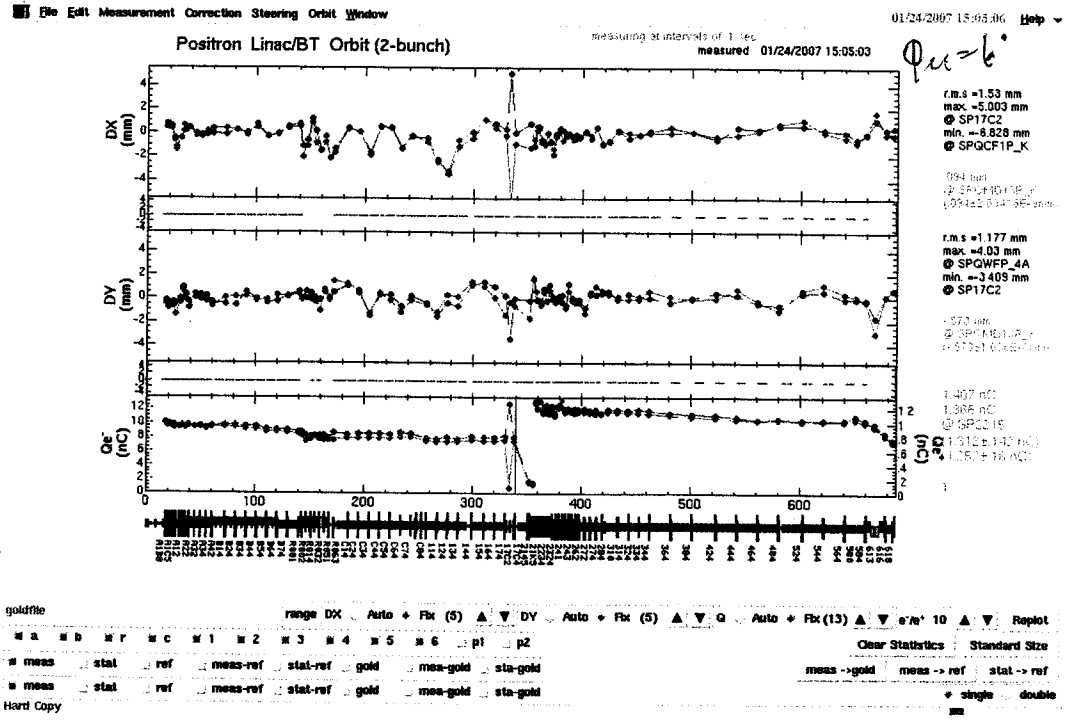
meas stat ref meas-ref stat-ref gold meas-gold sta-gold meas ->gold meas -> ref stat -> ref

meas stat ref meas-ref stat-ref gold meas-gold sta-gold single double

Progress Bar


File Edit Measurement Correction Steering Orbit Window
01/24/2007 14:56:12 Help
Positron Linac/BT Orbit (2-bunch)
measuring at intervals of 1 sec
measured 01/24/2007 14:56:11
DX (mm)
r.m.s =1.51 mm
max. =4.912 mm
@ SP17C2
min. =-6.828 mm
@ SPQCF1P_K
DY (mm)
r.m.s =1.17 mm
max. =4.03 mm
@ SPQWFP_4A
min. =-3.031 mm
@ SP17C2
Qe- (nC)
Qe+ (nC)
@ SPC2I5
goldfile
range DX Auto Fix (5) DY Auto Fix (5) Q Auto Fix (13) e-/e+ 10 Replot
meas stat ref meas-ref stat-ref gold meas-gold sta-gold
Clear Statistics Standard Size
meas ->gold meas -> ref stat -> ref
single double
Main Application Area


File Edit Measurement Correction Steering Orbit Window
01/24/2007 15:00:47 Help
Positron Linac/BT Orbit (2-bunch)
measuring at intervals of 1 sec
measured 01/24/2007 15:00:48
DX (mm)
r.m.s =1.51 mm
max. =4.768 mm
@ SP17C2
min. =-6.828 mm
@ SPQCF1P_K
DY (mm)
r.m.s =1.174 mm
max. =4.03 mm
@ SPQWFP_4A
min. =-3.004 mm
@ SP17C2
Qe- (nC)
Qe+ (nC)
goldfile
range DX Auto Fix (5) DY Auto Fix (5) Q Auto Fix (13) e-/e+ 10 Replot
meas stat ref meas-ref stat-ref gold meas-gold sta-gold
Clear Statistics Standard Size
meas ->gold meas -> ref stat -> ref
single double
Hard Copy


File Edit Measurement Correction Steering Orbit Window
01/24/2007 15:05:06 Help
Positron Linac/BT Orbit (2-bunch)
measuring at intervals of 1 sec
measured 01/24/2007 15:05:03
DX (mm)
r.m.s =1.53 mm
max. =5.003 mm
@ SP17C2
min. =-6.828 mm
@ SPQCF1P_K
DY (mm)
r.m.s =1.177 mm
max. =4.03 mm
@ SPQWFP_4A
min. =-3.409 mm
@ SP17C2
Qe- (nC)
Qe+ (nC)
goldfile
range DX Auto Fix (5) DY Auto Fix (5) Q Auto Fix (13) e-/e+ 10 Replot
meas stat ref meas-ref stat-ref gold meas-gold sta-gold
Clear Statistics Standard Size
meas ->gold meas -> ref stat -> ref
single double
Hard Copy

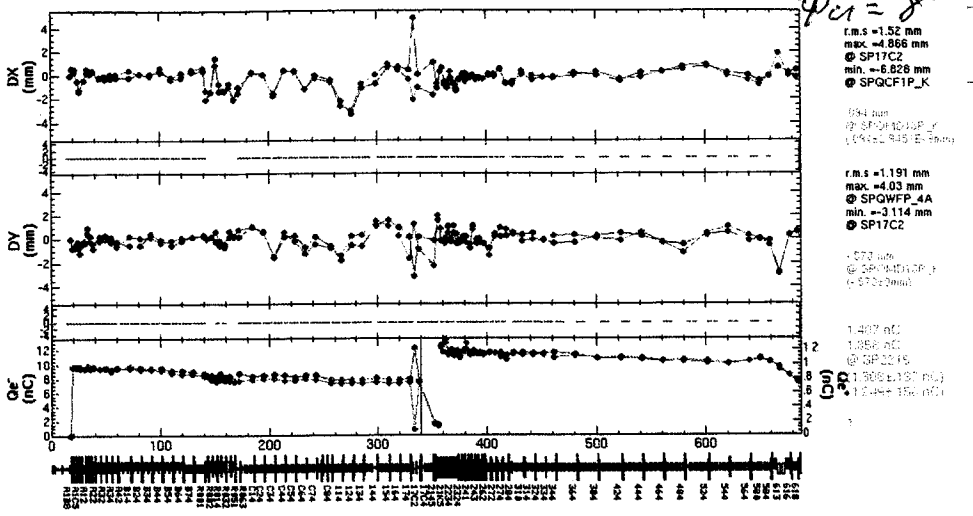
File Edit Measurement Correction Steering Orbit Window 01/24/2007 15:09:04 Help

Positron Linac/BT Orbit (2-bunch)

measuring at intervals of 1 sec

measured 01/24/2007 15:09:02

$\phi_{C1} = 8°$



goldfile range DX Auto + Fix (5) DY Auto + Fix (5) Q Auto + Fix (13) e-/e+ 10 Replot

a b r c 1 2 3 4 5 6 p1 p2 Clear Statistics Standard Size

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

meas stat ref meas-ref stat-ref gold meas-gold sta-gold + single double

Hard Copy

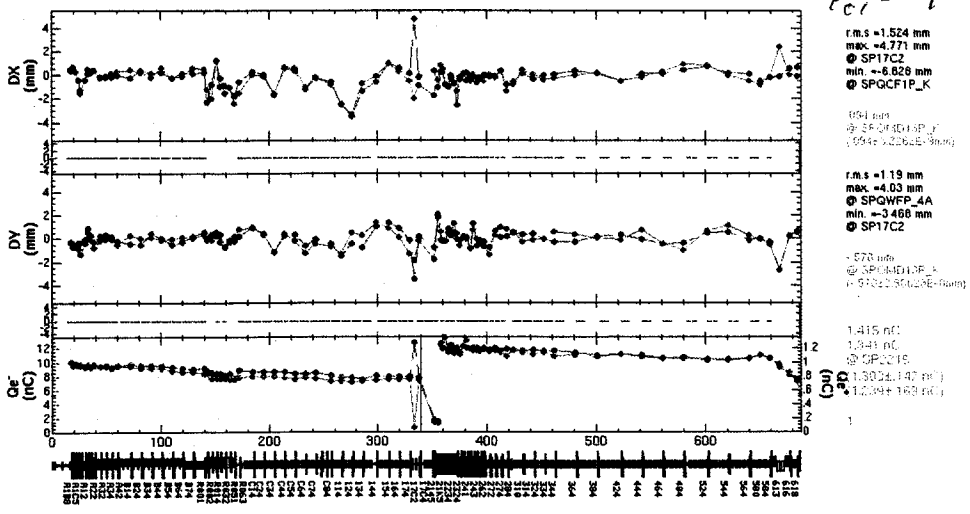
File Edit Measurement Correction Steering Orbit Window 01/24/2007 15:13:11 Help

Positron Linac/BT Orbit (2-bunch)

measuring at intervals of 1 sec

measured 01/24/2007 15:13:08

$\phi_{C1} = -1°$



goldfile range DX Auto + Fix (5) DY Auto + Fix (5) Q Auto + Fix (13) e-/e+ 10 Replot

a b r c 1 2 3 4 5 6 p1 p2 Clear Statistics Standard Size

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

meas stat ref meas-ref stat-ref gold meas-gold sta-gold + single double

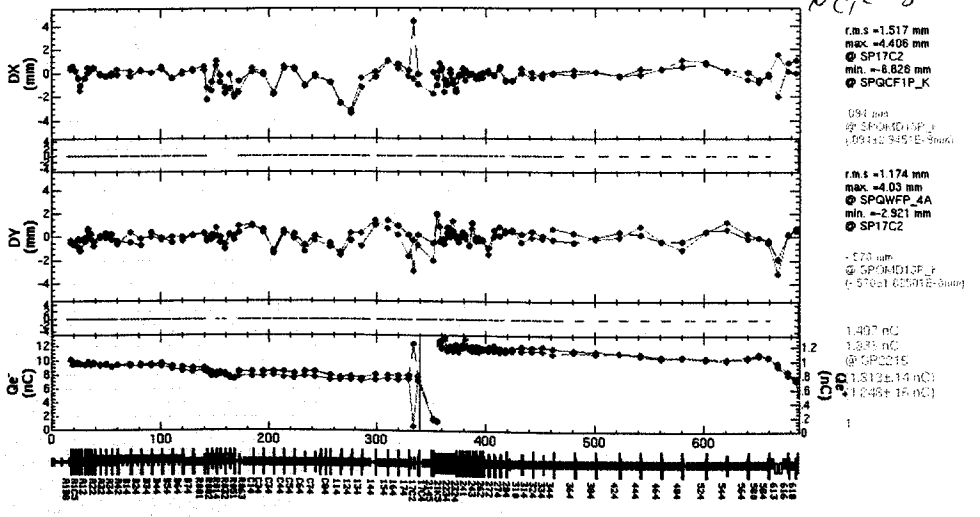
File Edit Measurement Correction Steering Orbit Window 01/24/2007 15:18:20 Help

Positron Linac/BT Orbit (2-bunch)

measuring at intervals of 1 sec

measured 01/24/2007 15:18:18

$\phi_{C1} = -3°$



goldfile range DX Auto + Fix (5) DY Auto + Fix (5) Q Auto + Fix (13) e-/e+ 10 Replot

a b r c 1 2 3 4 5 6 p1 p2 Clear Statistics Standard Size

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

meas stat ref meas-ref stat-ref gold meas-gold sta-gold + single double

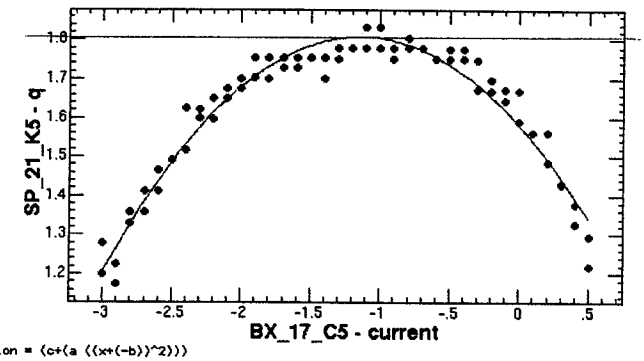
Hard Copy

File Edit Window 01/24/2007 15:13:34 Help

ChiSquare = .11743 Goodness = .47736

a = -.17427 +/- .00504 b = -1.1429 +/- .01378 c = 1.80781 +/- .00727

$\phi_{CL} = -1°$



1.8

Function = (c+(a ((x+(-b))^2)))

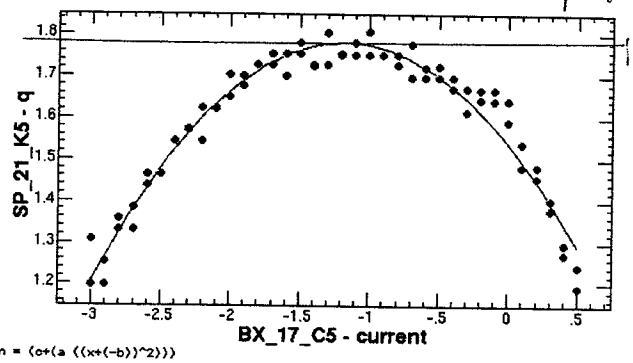
Hard Copy

File Edit Window 01/24/2007 15:17:34 Help

ChiSquare = .10391 Goodness = .47736

a = -.17358 +/- .00474 b = -1.1816 +/- .01282 c = 1.77997 +/- .00685

$\phi_{CL} = -3$



1.78

Function = (c+(a ((x+(-b))^2)))

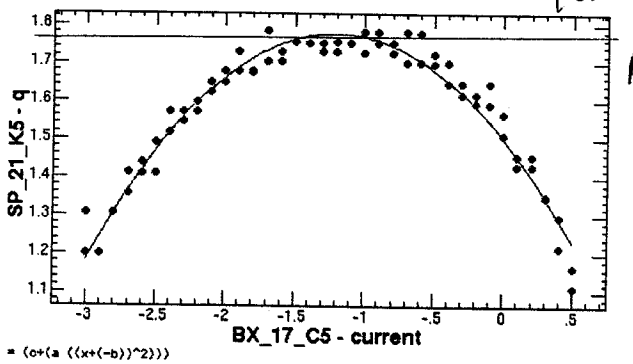
Hard Copy

File Edit Window 01/24/2007 15:23:31 Help

ChiSquare = .10924 Goodness = .47736

a = -.18493 +/- .00486 b = -1.2152 +/- .01224 c = 1.77470 +/- .00704

$\phi_{CL} = -5$

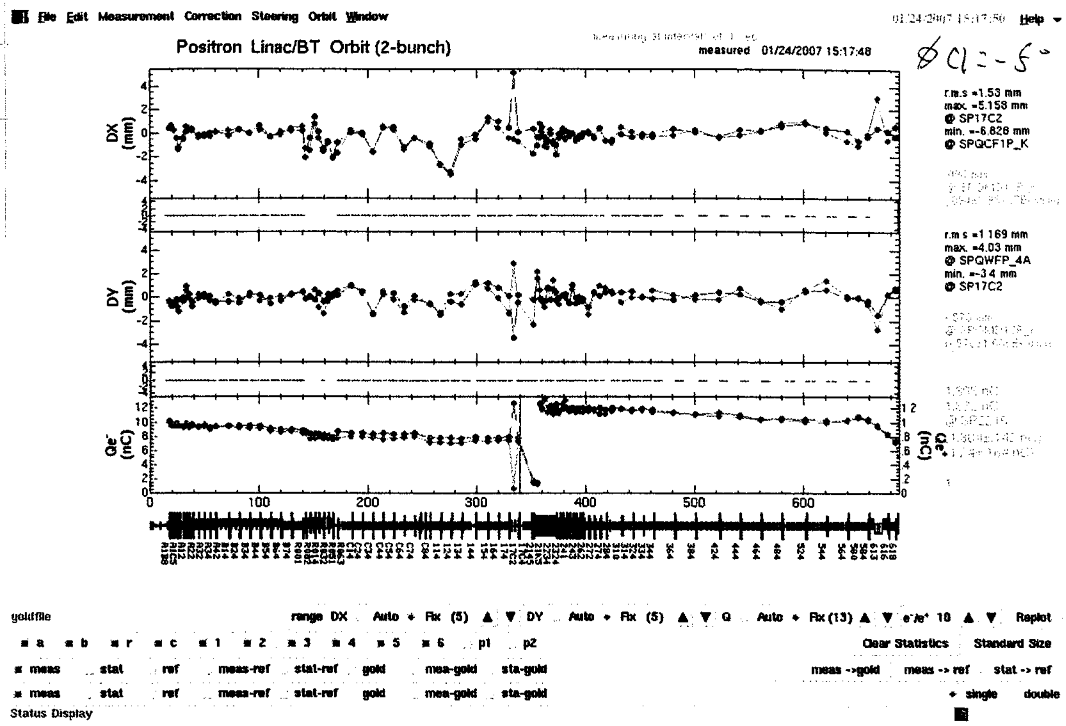


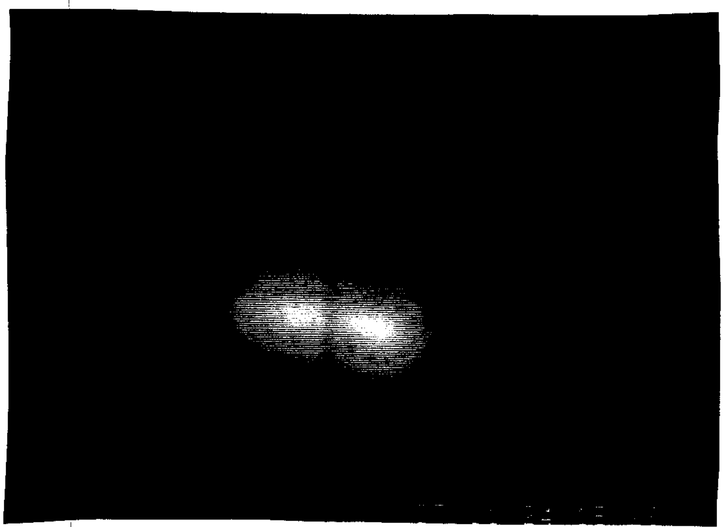
1.76

Function = (c+(a ((x+(-b))^2)))

Hard Copy

ΦQ2-5°





SC-17-C5 11:45 [illegible]

15:47

QD174 7.990 (→ 9.072)
QF174 9.072.

1212 SC17C5 で round beam に [illegible]
QD-174/5 の Multiple Ratio で [illegible]

QF17-C4/5	SP21C5
10.764	1.44
11.764.	1.58
12.764.	1.57
13.764	1.70
14.764	1.75
15.764	1.71
16.764	1.72.
17.764	1.71
18.764	1.71

19.764.	1.70
~~20.~~	1.64,