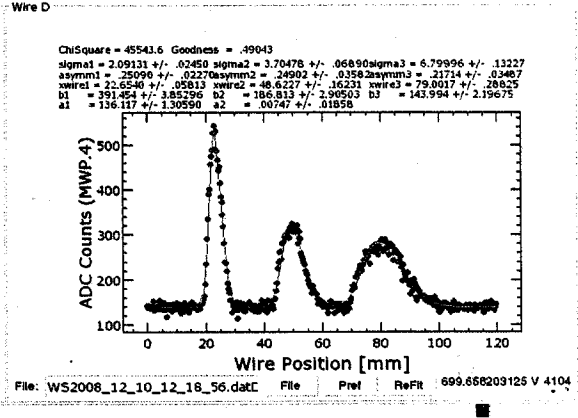
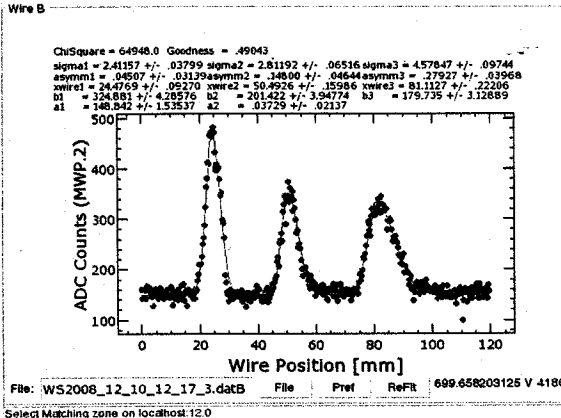
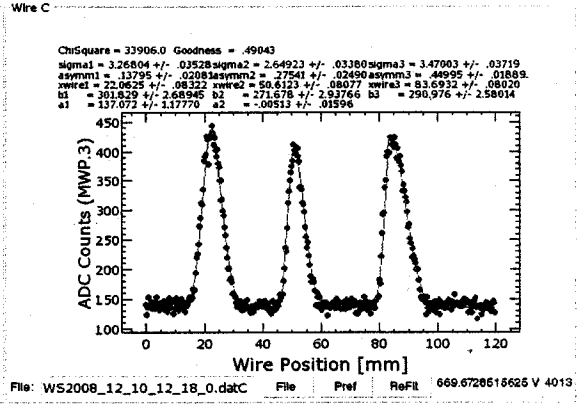
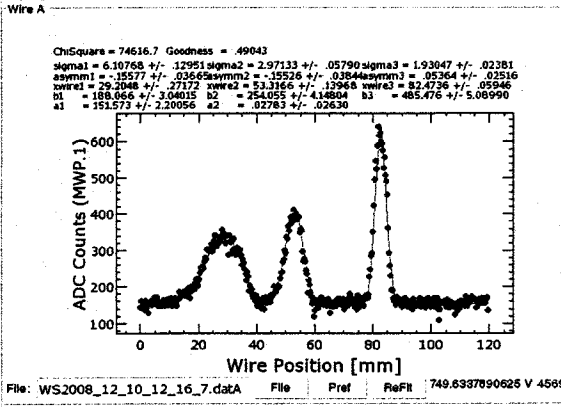


(e)

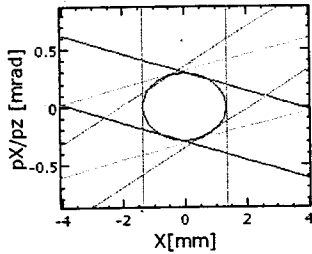


Select Matching zone on localhost:12.0

Wire Scan Optics Calculate Matching

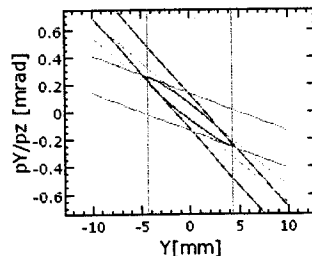
X phase space at Wire A

X phase space at Matching Point



Y phase space at Wire A

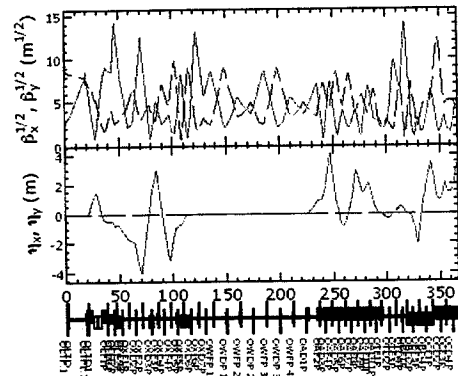
Y phase space at Matching Point



Results of Measurement

$\beta_x$ @MWP.1 [m] :	4.636	$\beta_x$ @MWP.1 [m] :	73.391
$\alpha_x$ @MWP.1 :	.008	$\alpha_x$ @MWP.1 :	4.102
$\epsilon_x$ [m] :	3.9320E-7	$\epsilon_x$ [m] :	2.5163E-7
$\gamma_{\epsilon_x}$ [x.mm.mrad] :	2550.334	$\gamma_{\epsilon_x}$ [x.mm.mrad] :	1632.072
Bmag x :	1.269	Bmag y :	1.255
$\epsilon$ Bmag x :	4.9900E-7	$\epsilon$ Bmag y :	3.1574E-7
$\gamma_{\epsilon}$ Bmag x :	3236.568	$\gamma_{\epsilon}$ Bmag y :	2047.944

Optics Plot

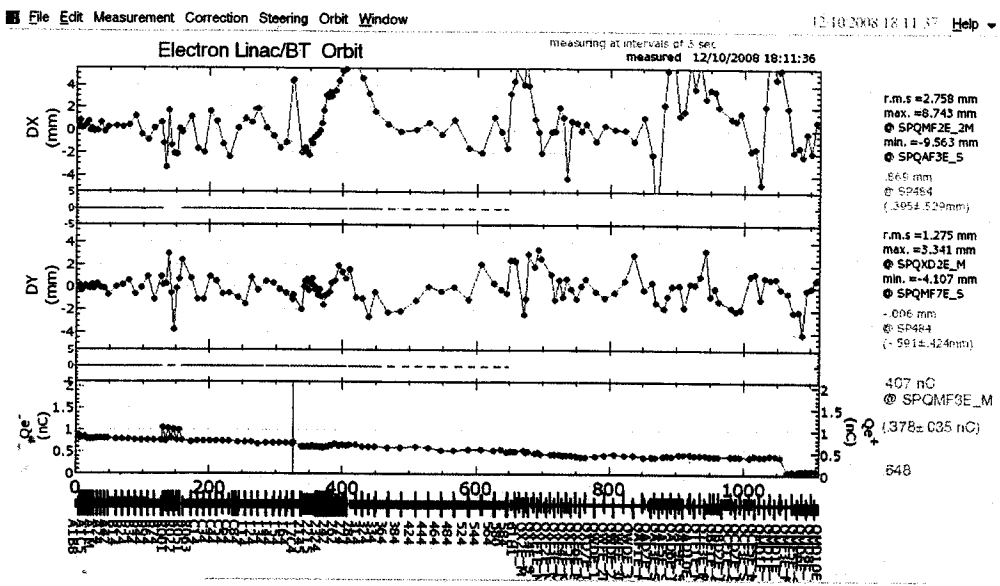


Wire Selection  
 3-wire:ABC 3-wire:ABD 3-wire:ACD 3-wire:BCD  
 \* 4-wire:ABCD

NonLinearFit  Em(meas), no n: 0  Em(opt) (%): 0

\*Calculate Optics\* Save All Parameters

Omag values were SAVed to 'data1/KEKB/Wire/BTIn/positron/data/cvalue/qname\_2008\_12\_10\_12\_13\_14.dat'

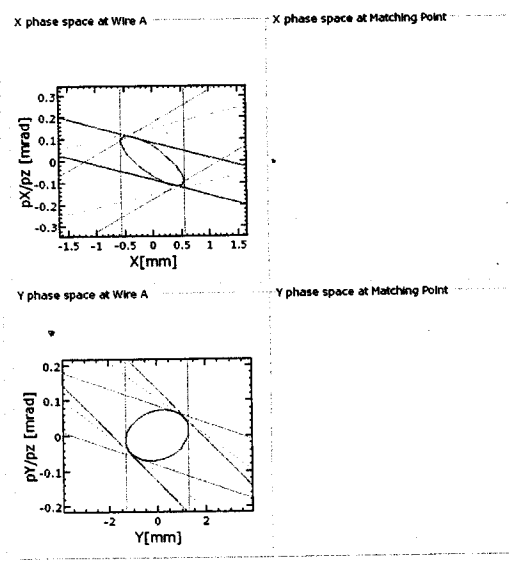
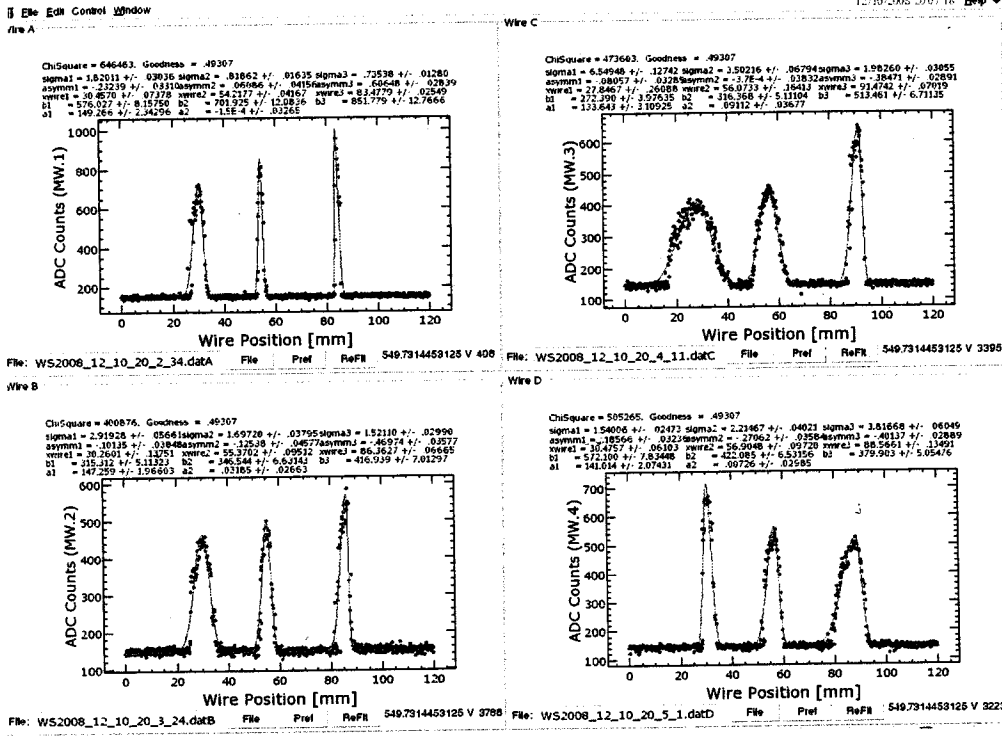


BT Study save

ⓔ

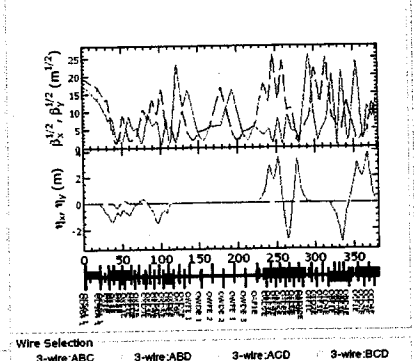
Q { BTe12-10-2008-18:19:05  
S { 19:06

BT-S >95  $\tau$  Alarm  
Wire Scanner 測定時 (25 Hz)



Results of Measurement

$\beta_x$ @MW.1 [m]	7.937	$\beta_y$ @MW.1 [m]	18.611
$\alpha_x$ @MW.1	1.316	$\alpha_y$ @MW.1	-.204
$\epsilon_x$ [m]	3.8319E-8	$\epsilon_y$ [m]	9.1691E-8
$\gamma_x$ [x/mm/mrad]	568.094	$\gamma_y$ [x/mm/mrad]	1359.354
Bmag x	2.936	Bmag y	3.021
$\epsilon$ Bmag x	1.1250E-7	$\epsilon$ Bmag y	2.7703E-7
$\gamma$ Bmag x	1.667.998	$\gamma$ Bmag y	2107.049

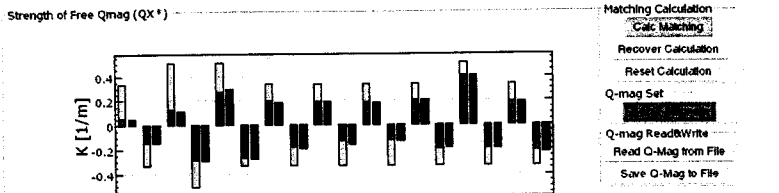


Wire Selection

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

Matching Conditions

OX2E: $\beta_x <$	100.00	59.73194
$\beta_x <$	200.00	184.84707
OX3E: $\beta_x <$	100.00	68.20542
OX5E: $\beta_x <$	60.00	11.42453
OXF1E: $\beta_x <$	50.00	50.00241
OXD2E: $\beta_x <$	60.00	8.16602
OXF2E: $\beta_x <$	60.00	52.94362
OXD3E: $\beta_x <$	80.00	64.83101
OXF3E: $\beta_x <$	62.00	33.61065
OXD4E: $\beta_x <$	110.00	73.49631
OXF4E: $\beta_x <$	80.00	35.01035
OXD5E: $\beta_x <$	100.00	99.96829
OXD6E: $\beta_x <$	100.00	49.88257
$\eta_x =$	.00	4.60489E-5
$\eta_y =$	.00	1.92941E-5
$\eta_x =$	.00	6.34425E-6
$\eta_y =$	.00	6.11421E-7
OX1E OXD6E: $\eta_x <$	-1.50	1.59104



Set 43  
 Screenは割と良い  
 MSE 20 少 (大)

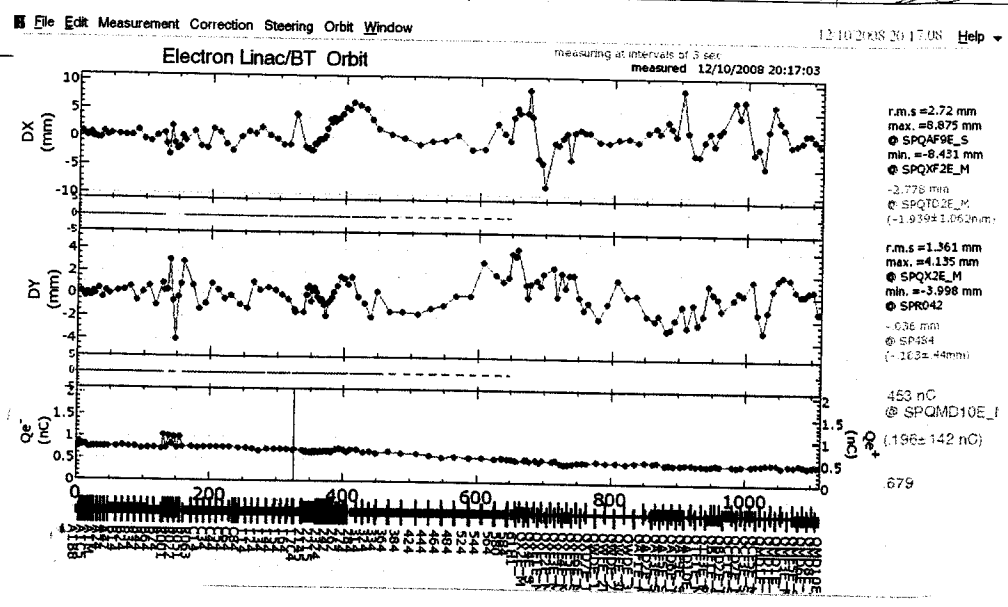
Matching 後  
軌道修正

QM  
5#

12-10-2008-20:11:22  
12-10-2008-20:11:22

204

e-



et E Load 124305. LINAC end 7 軌道修正 時間  
(P.199 BTP 12-10-2008-12:16:19)  
15:19

運転 バラキター BT  
(E: BTP 12-10-2008-22:20:19  
S: " " -22:20:20  
et Q BTP 12-10-2008-22:22:30  
Q " " -22:22:31

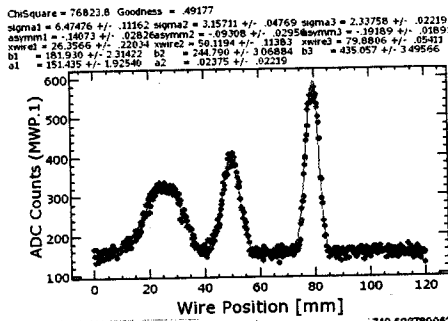
et

軌道修正 等 0 了 調整 了 了 X  
I 知 了 了 + 1 % 高 了 了 save  
KTKBA

23:02:26  
23:02:27

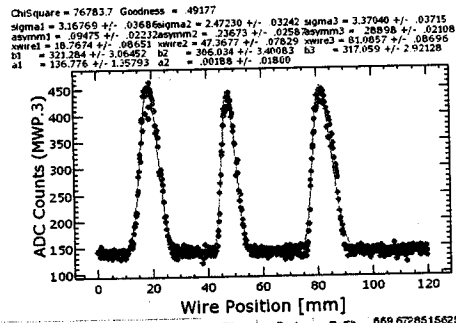
File Edit Control Window

Wire A



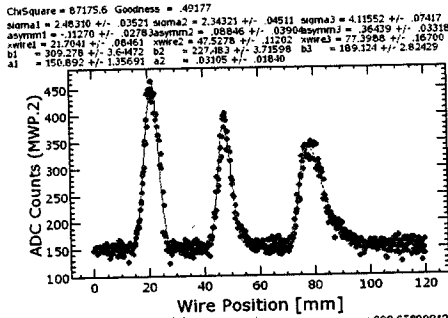
File: WS2008\_12\_11\_2\_17\_50.datA File Pref ReFit 749.6387890625 V 4572

Wire C



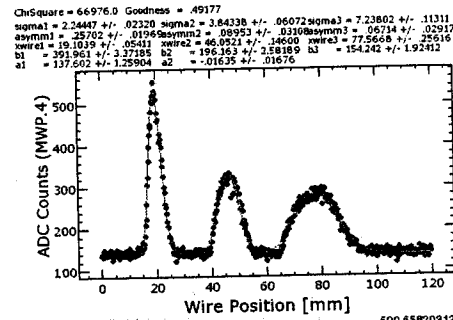
File: WS2008\_12\_11\_2\_19\_11.datC File Pref ReFit 669.6728515625 V 4015

Wire B



File: WS2008\_12\_11\_2\_18\_30.datB File Pref ReFit 669.658203125 V 4183

Wire D



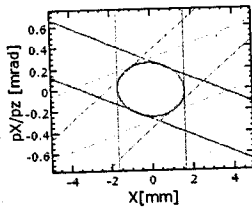
File: WS2008\_12\_11\_2\_19\_51.datD File Pref ReFit 699.658203125 V 4106

Solaris Mapping zone on keyboard 12.11.2008 02:25:08 Help

File Edit Window

Wire Scan Optics Calculate Matching

X phase space at Wire A

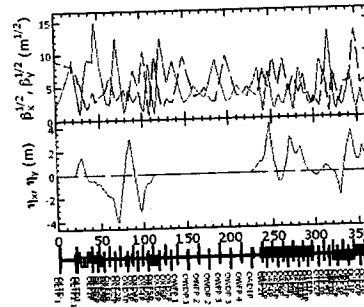


X phase space at Matching Point

Results of Measurement

$\beta$ , @MWP.1 [m] :	6.499	$\beta$ , @MWP.1 [m] :	80.748
$\alpha$ , @MWP.1 :	.066	$\alpha$ , @MWP.1 :	4.564
$\epsilon$ , [m] :	4.1929E-7	$\epsilon$ , [m] :	2.6201E-7
$\epsilon$ , [x.mmm.mrad] :	2719.537	$\epsilon$ , [x.mmm.mrad] :	1699.438
$\epsilon$ Mag x :	1.204	$\epsilon$ Mag y :	1.324
$\epsilon$ Mag x :	5.0475E-7	$\epsilon$ Mag y :	3.4679E-7
$\epsilon$ Mag x :	3273.867	$\epsilon$ Mag y :	2249.313

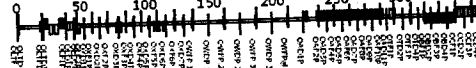
Optics Plot



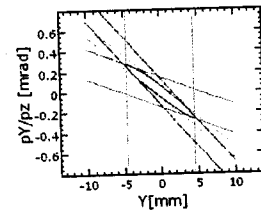
Wire Selection

3-wire:ABC 3-wire:ABD 3-wire:ACD 3-wire:BCD

4-wire:ABCD



Y phase space at Wire A



Y phase space at Matching Point

Matching Conditions

OXF1P: $\beta$ , <	100.00	10.46505
OXD2P: $\beta$ , <	100.00	43.01998
OXF2P: $\beta$ , <	150.00	142.27657
OXF2P: $\eta$ , =	-4.00	-4
OXD8P: $\beta$ , <	100.00	27.45498
OXF8P: $\beta$ , <	100.00	18.04822
OXF8P: $\eta$ , <	3.00	3
OXD4P: $\beta$ , <	100.00	58.11975
OXF4P: $\beta$ , <	20.00	19.38777
OXD5P: $\beta$ , <	100.00	91.14878
OXD6P: $\beta$ , <	100.00	96.67881
OXD6P: $\eta$ , =	.00	2.5444E-16
OXD6P: $\eta$ , =	.00	1.9429E-16

Matching Calculation

Calc Matching

Recover Calculation

Reset Calculation

Q-mag Set

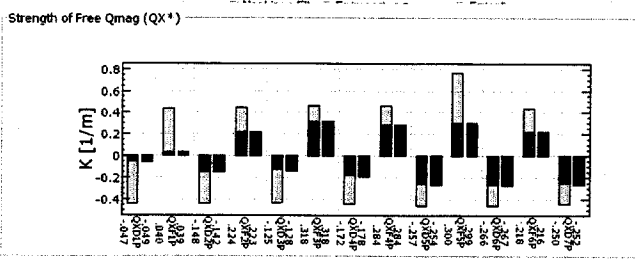
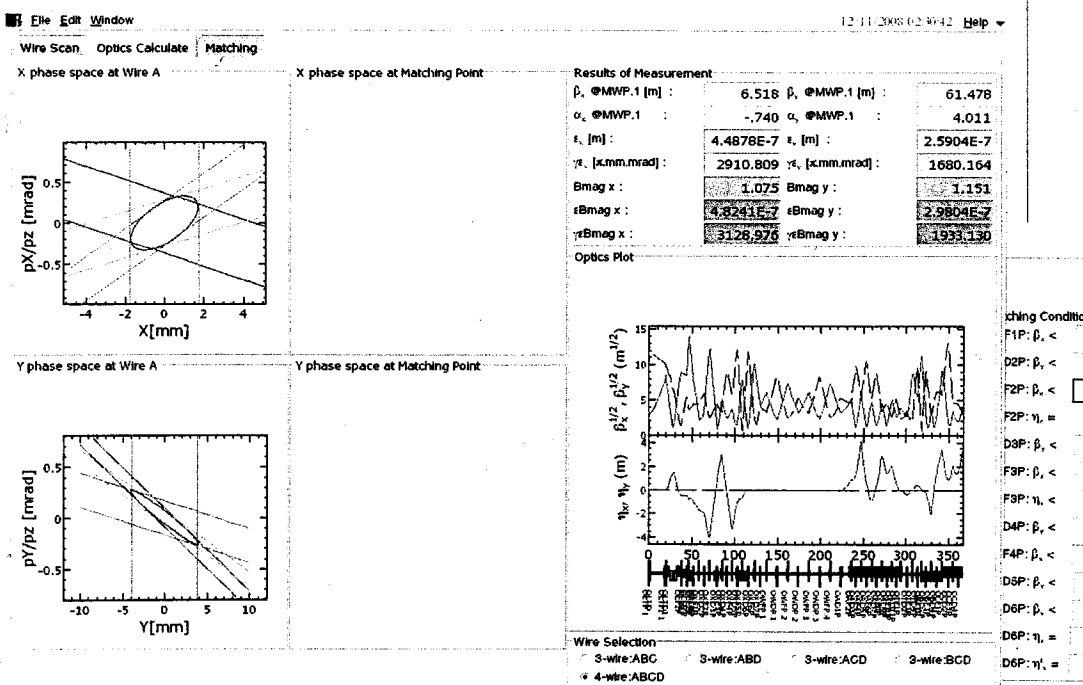
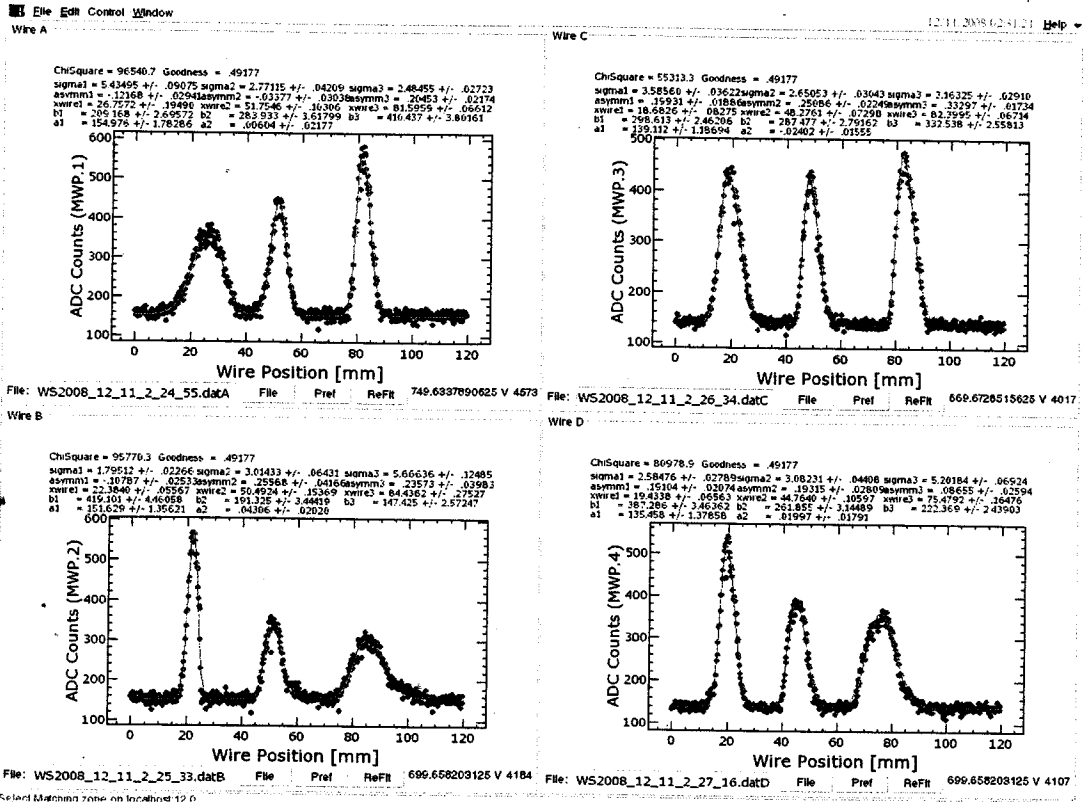
Q-mag Read&Write

Read Q-mag from File

Save Q-mag to File

120 Matching  $Q$  2008-02-2:35  
336

206



QID Match  $Q$  02:28:38 39  
ing 02:28:38

Matching Calc  
Recover Cal  
Reset Calc  
Q-mag Set  
Set Q-Mag  
Q-mag Read  
Read Q-Mag  
Save Q-Mag