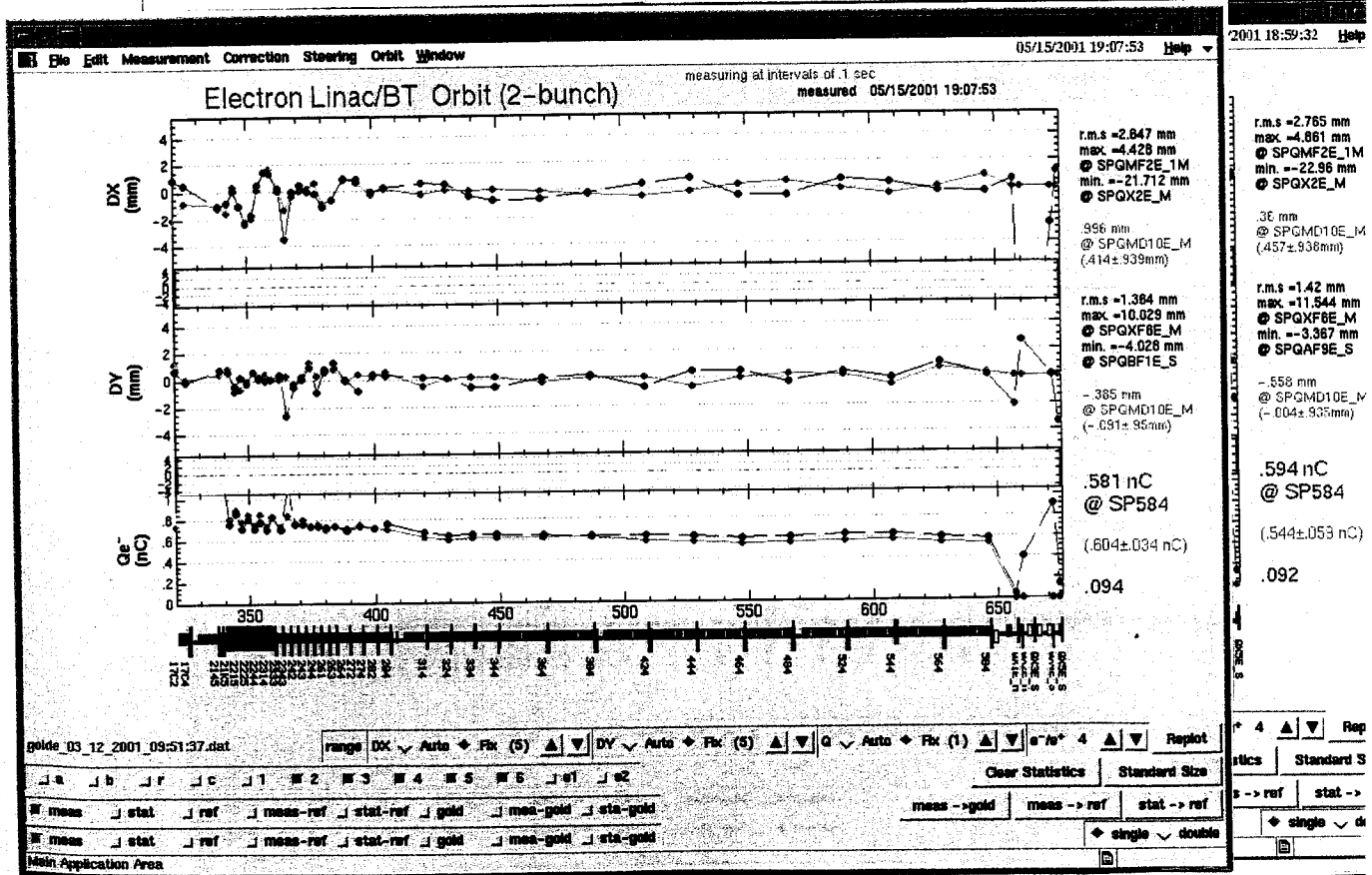
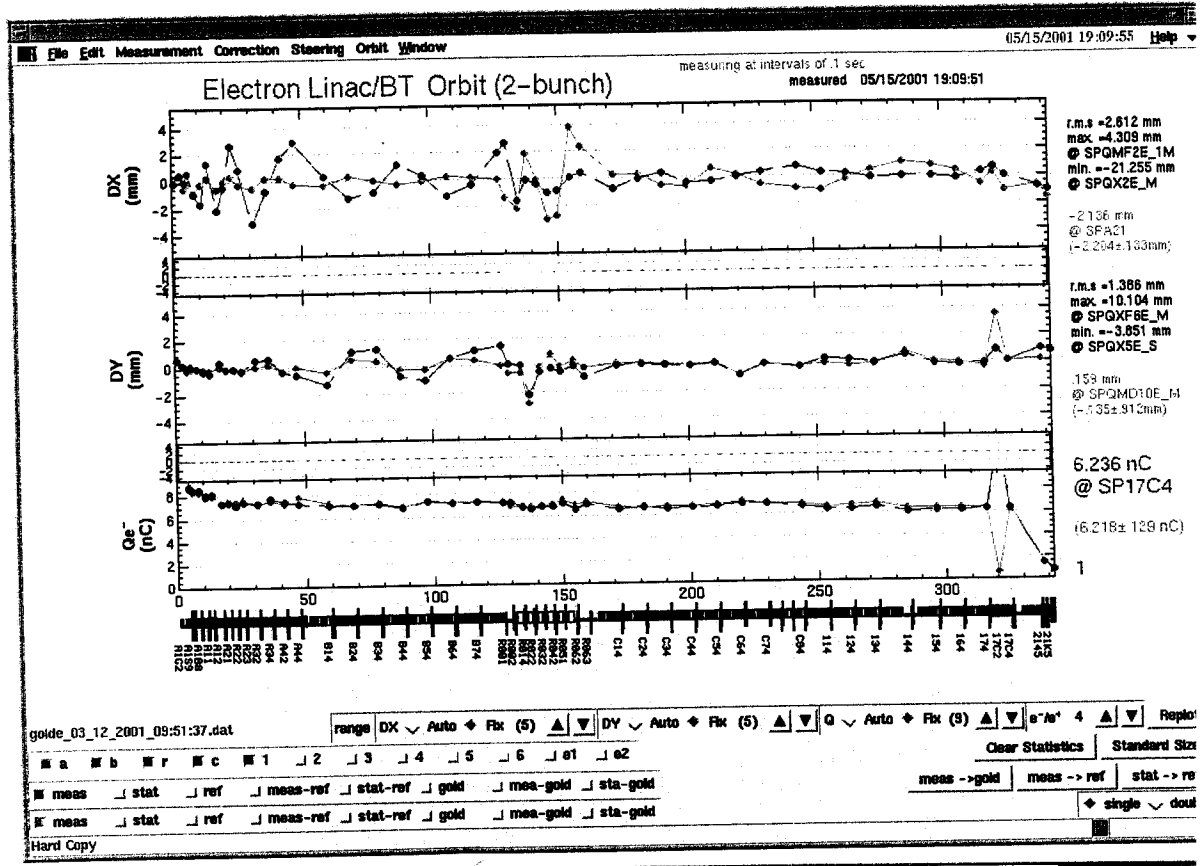
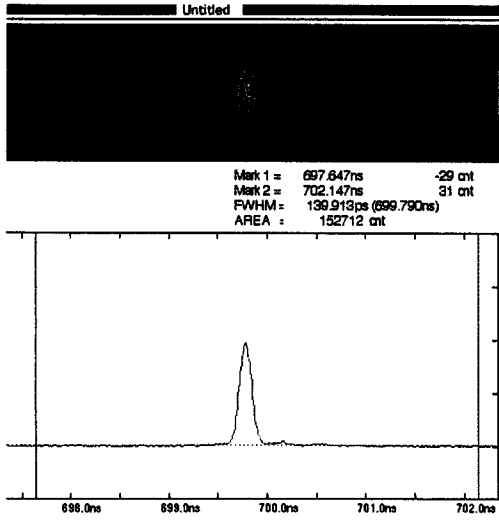


mag data 750.all & load 後 sector 3~5 軌道補正  
 mag data 754.all is set



22/5

M.S



Measurement Condition

Live Time  1 pulse  
 Accum.Time  10 pulse

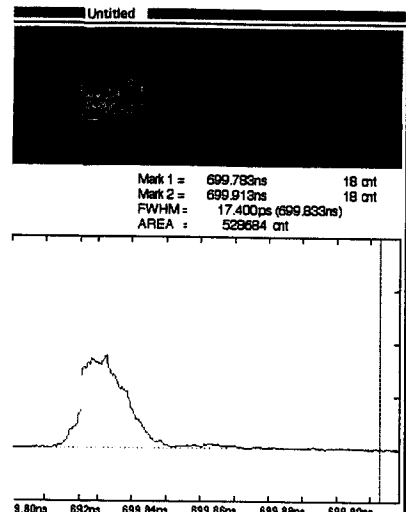
Control the Streak Camera  
 V-Sweep Range 5ns

MCP Gain  74  
 Delay  544.85 ns  
 Search pulse : 100 cnt.

Input Optics  
 Focus :  Open  
 Slit Width :  100 um

Gravity Integ.  Trig.Single  
 Table... Quit Do It

Image Status  
 << Condition : U5565N\_C6699(R1)  
 Accum.Time 10 pulse  
 Mcp Gain 74  
 Streak Mode 5[NS]  
 Streak Trigger SINGLE  
 H:-0.520 V: 0.344 Z: 3.962  
 DC Calibration ON  
 DATE 2001/ 5/ 22  
 TIME 12: 2: 12  
 << Comment >>



Measurement Condition

Live Time  1 pulse  
 Accum.Time  10 pulse

Control the Streak Camera  
 V-Sweep Range 8.2ns

MCP Gain  100  
 Delay  559.8 ns  
 Search pulse : 100

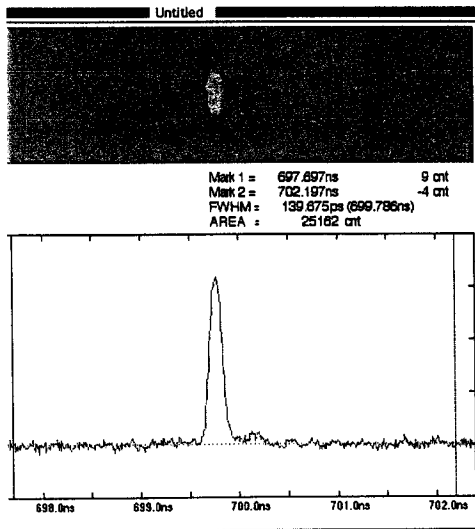
Input Optics  
 Focus :  Open  
 Slit Width :  100 um

Gravity Integ.  Trig.  
 Table... Quit Do It

Image Status  
 << Condition : U5565N\_C6699(R1)  
 Accum.Time 10 pulse  
 Mcp Gain 100  
 Streak Mode 8.2[NS]  
 Streak Trigger SINGLE  
 H:-0.520 V: 0.344 Z: 3.962  
 DC Calibration ON  
 DATE 2001/ 5/ 22  
 TIME 12: 3: 3  
 << Comment >>

SHO 1  $\phi$  nominal

SHO 2  $\phi$  nominal



Measurement Condition

Live Time  1 pulse  
 Accum.Time  10 pulse

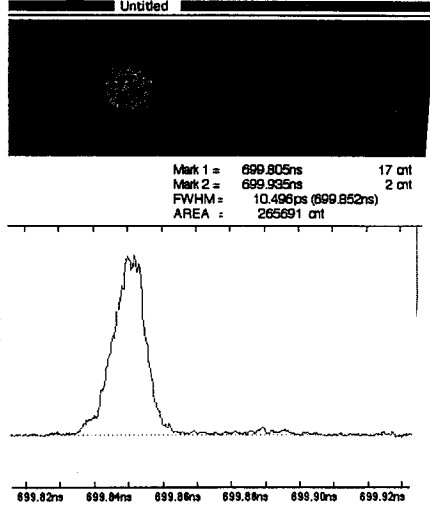
Control the Streak Camera  
 V-Sweep Range 5ns

MCP Gain  57  
 Delay  544.90 ns  
 Search pulse : 100 cnt.

Input Optics  
 Focus :  Close  
 Slit Width :  100 um

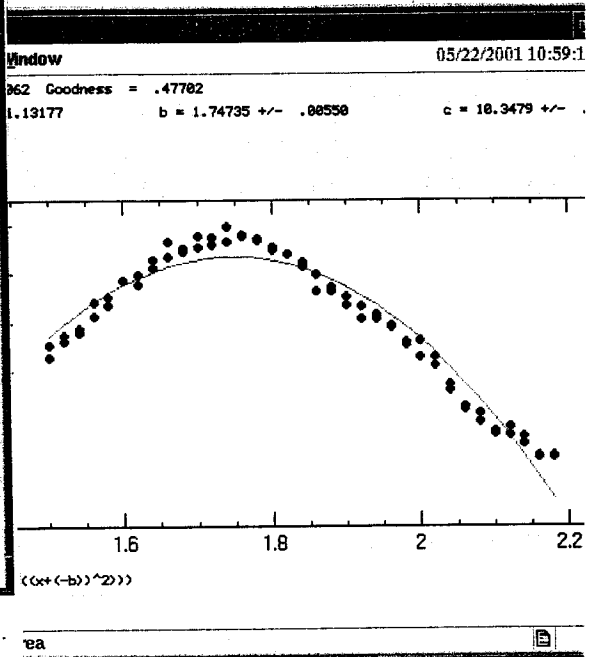
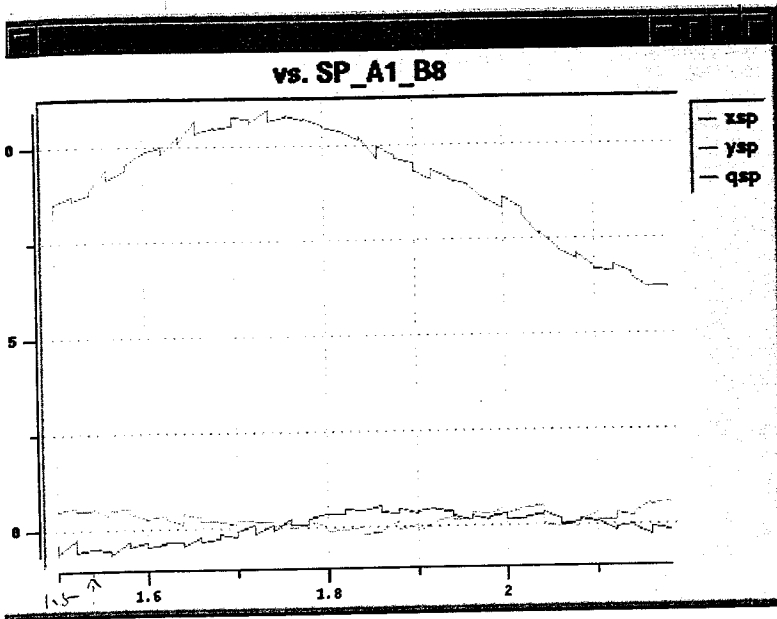
Gravity Integ.  Trig.Single  
 Table... Quit Do It

Image Status  
 << Condition : U5565N\_C6699(R1)  
 Accum.Time 10 pulse  
 Mcp Gain 57  
 Streak Mode 5[NS]  
 Streak Trigger SINGLE  
 H:-0.520 V: 0.344 Z: 3.962  
 DC Calibration ON  
 DATE 2001/ 5/ 22  
 TIME 12: 5: 32  
 << Comment >>



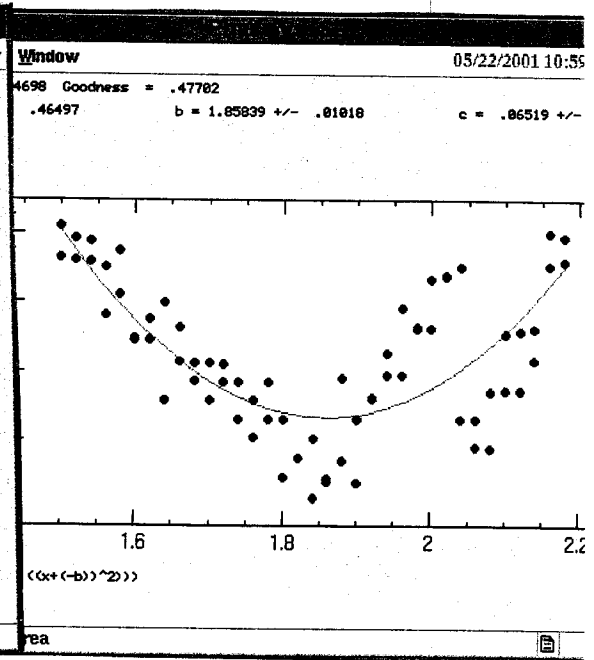
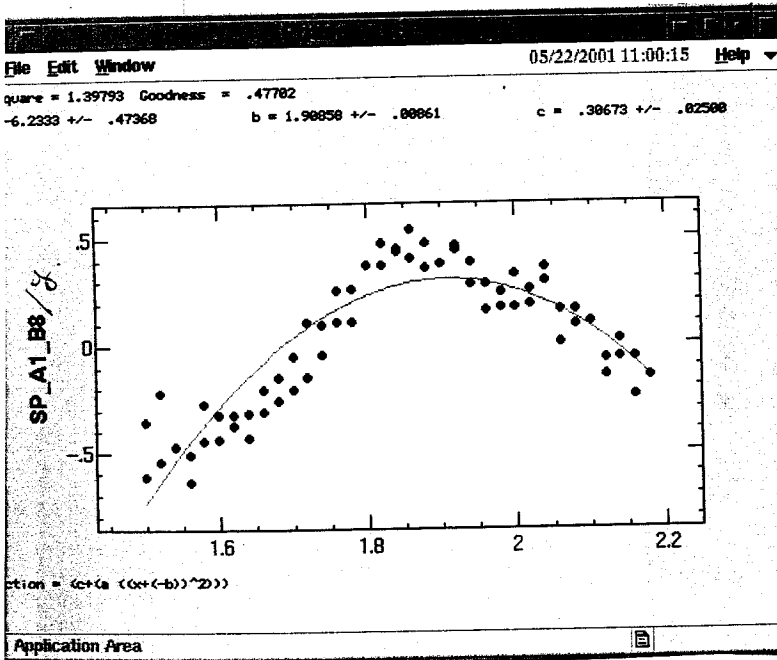
SHO 1  $\phi$  651°

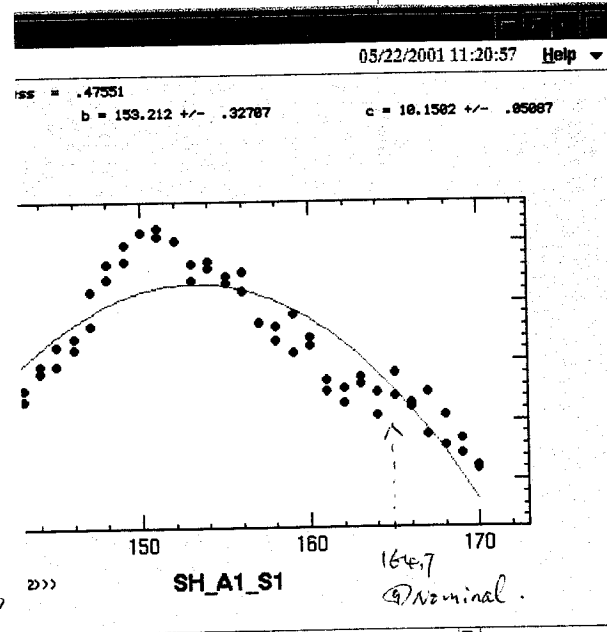
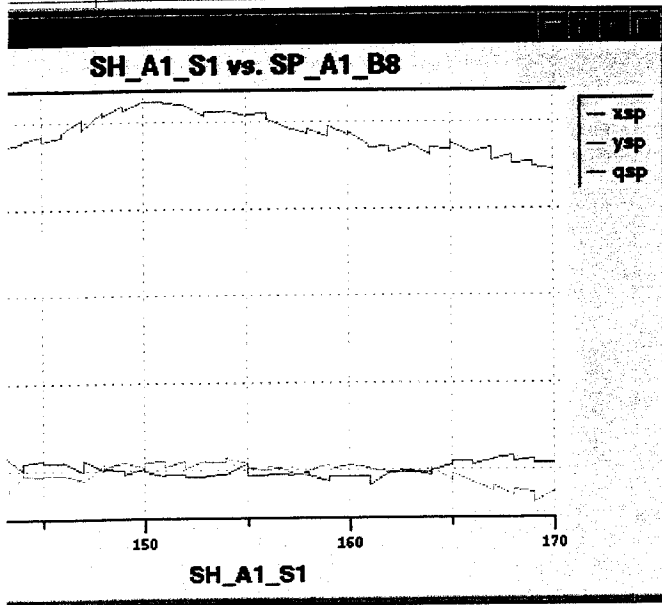
SHO 2  $\phi$



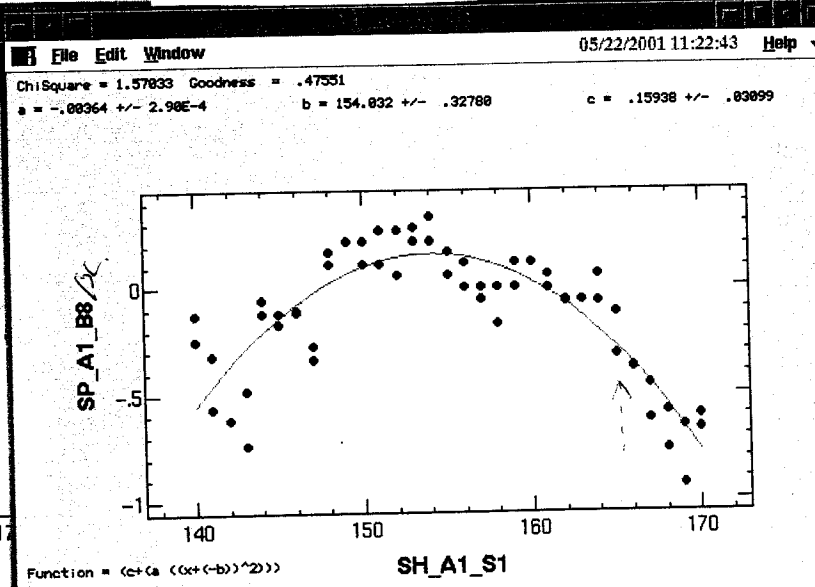
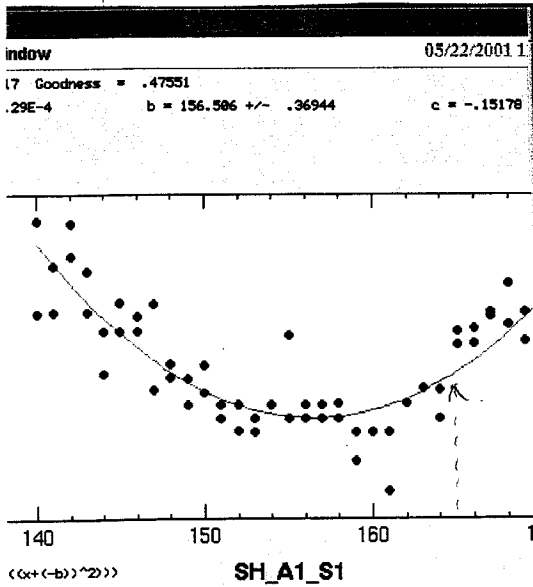
Nominal  
 Gun Policy 1.054  
 (31.06 ns)

Drift  $\phi = 164.7^\circ$



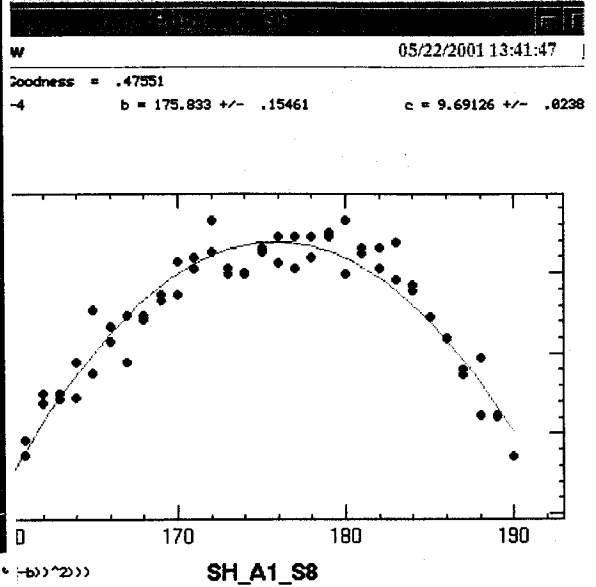
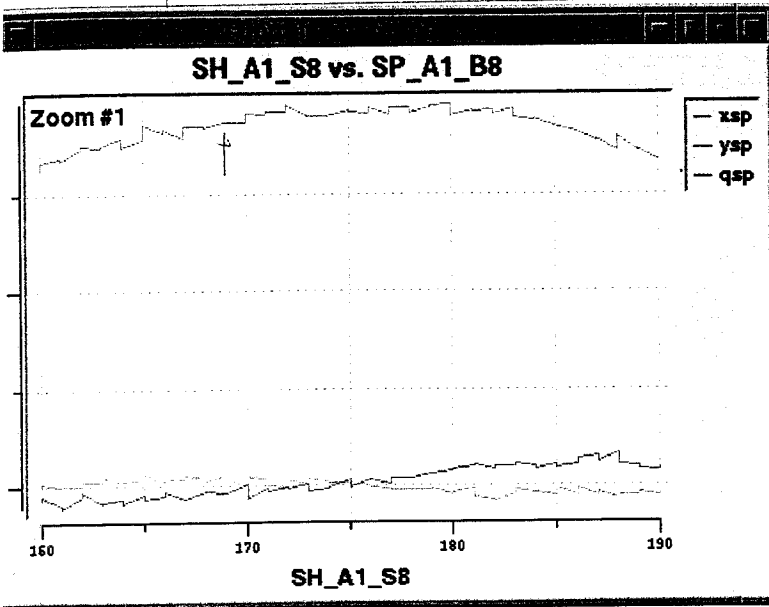


Nominal SHB1  $\phi = 164.7$



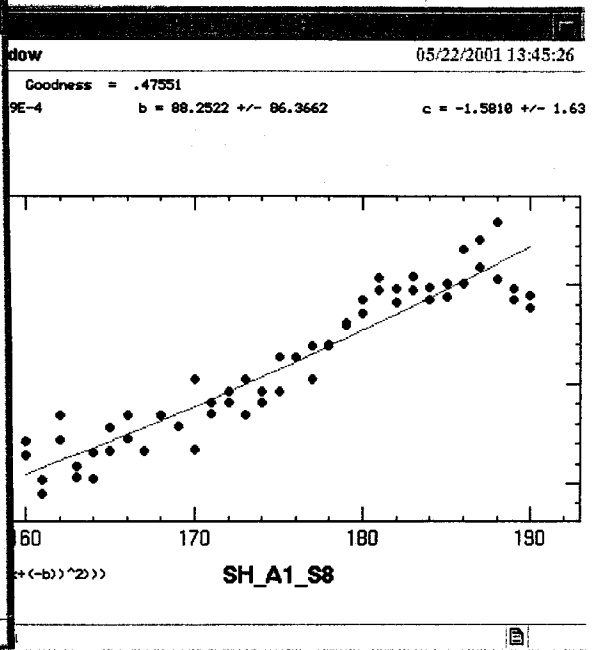
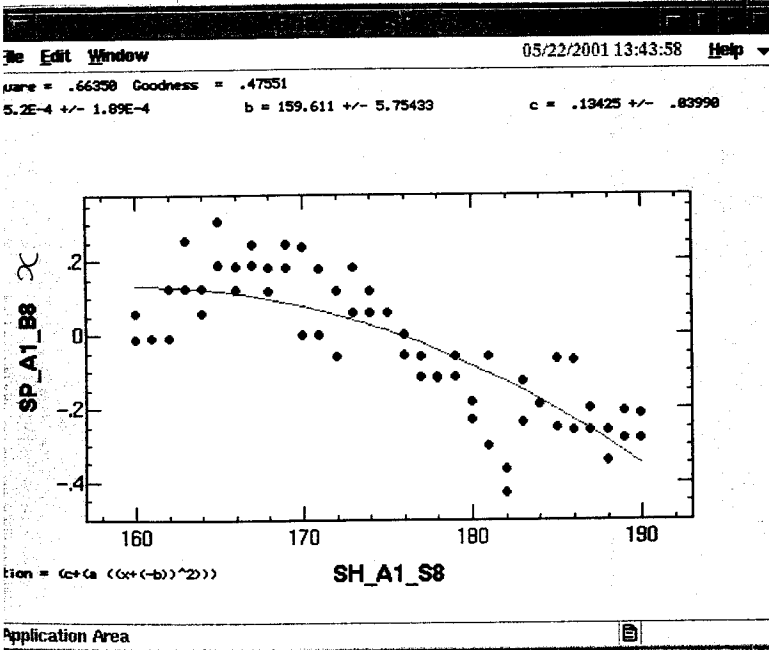
rea

Main Application Area

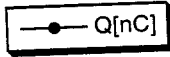
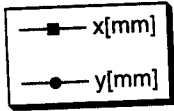


Normal 167.9

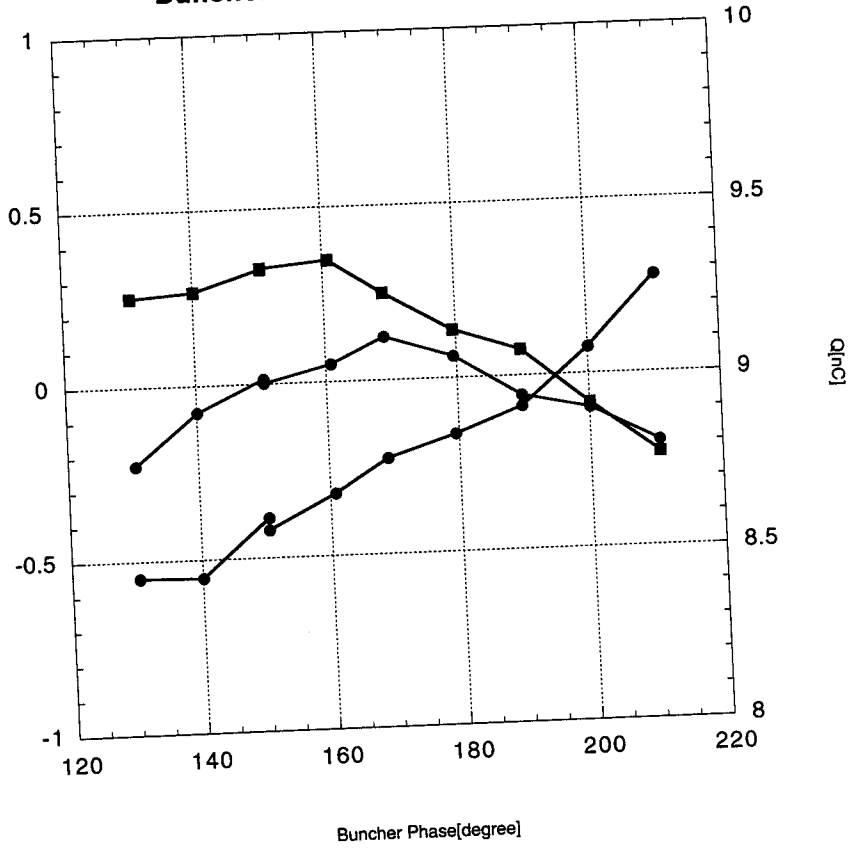
Main Application Area



Application Area

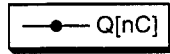
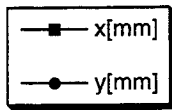


BuncherPhasevs.SPA1B8/01 may22

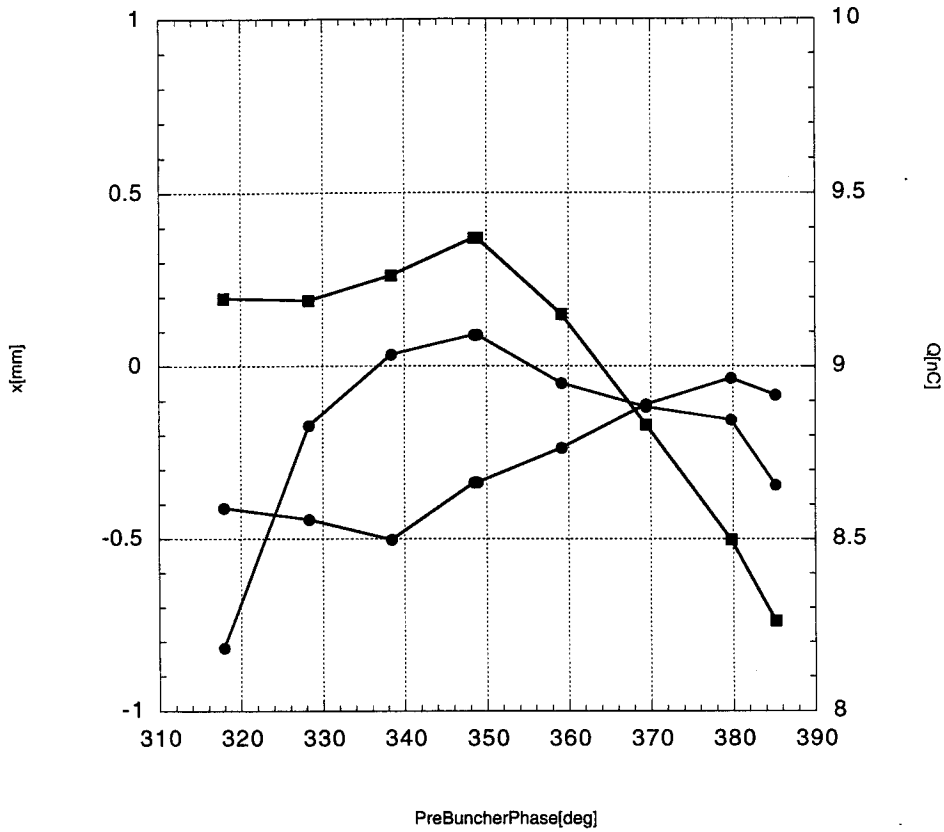


-ben  $\phi$  161.7°  
 7 Q SPA1B8  
 -0.42 9.0  
 -0.238 9.09  
 -0.394 9.095  
 -0.376 9.12

	158.7	0.364	-0.335	9.168
→	160.8	0.347	-0.321	9.048
	162.9	0.311	-0.344	9.042
	164.9	0.339	-0.286	9.159
	167.0	0.288	-0.322	9.030
170	169.0	0.248	-0.225	9.122
180	179.5	0.136	-0.163	9.061
190	189.8	0.023	-0.089	8.943
200	200.1	-0.084	0.274	8.902
<del>210</del>	210.5	-0.231	0.276	8.803
210	150.5	0.327	-0.385	9.012
→	140.1	0.267	-0.552	8.921
130	130.3	0.204	-0.547	8.774



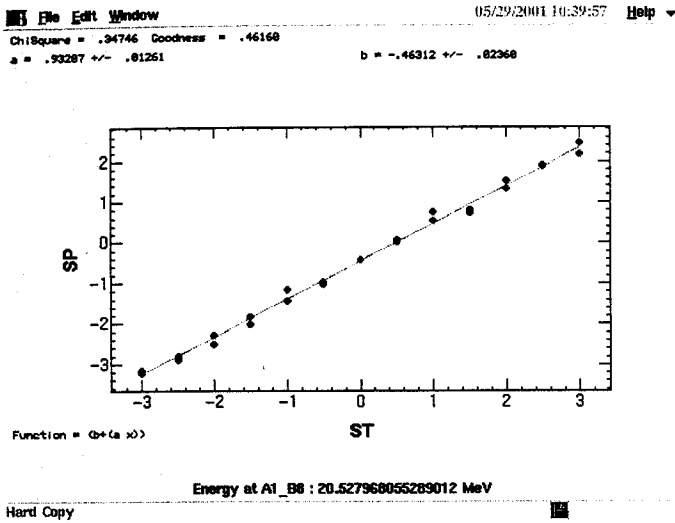
PrebuncherPhaseSPA1B8



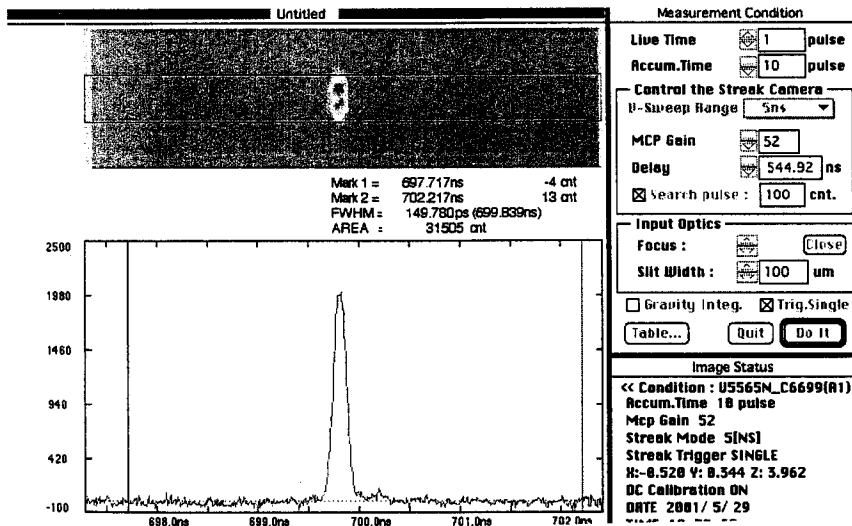
Nominal 9.5

$\phi$	$x$	$y$	$Q$	$\sigma$	Notes
348.5	0.362	-0.388	9.084	5	Non
338.4	0.262	-0.503	9.032		
328.3	0.189	-0.443	8.827		
317.9	0.196	-0.411	8.183		
348.9	<del>0.37</del>	-0.337	9.088		
359.2	0.150	-0.237	8.95		
369.5	-0.169	-0.112	8.88		
379.8	-0.503	-0.035	8.844		
388.2	-0.738	-0.083	8.656		

2001.5.29(木)  $e^+$  運動エネルギー X-線 ( $\sim 10^{-3}0$ )



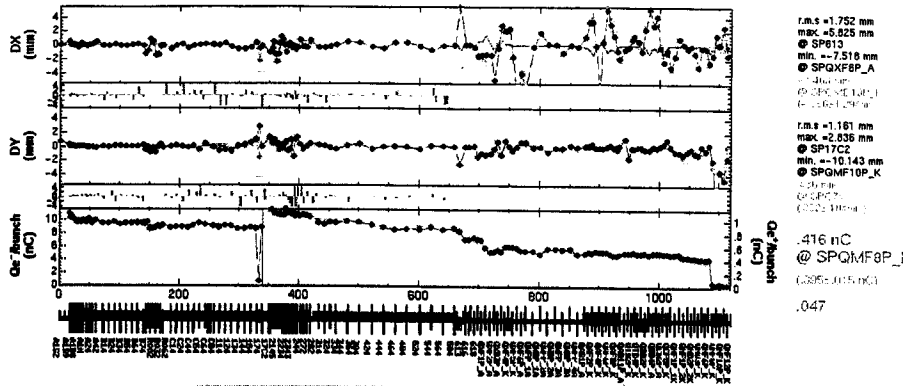
SHB1 15.13°  
 SHB2 16.43°  
 PB 76.49°  
 B. 161.8°  
 GUN delay  
 1.556  $\mu$ s





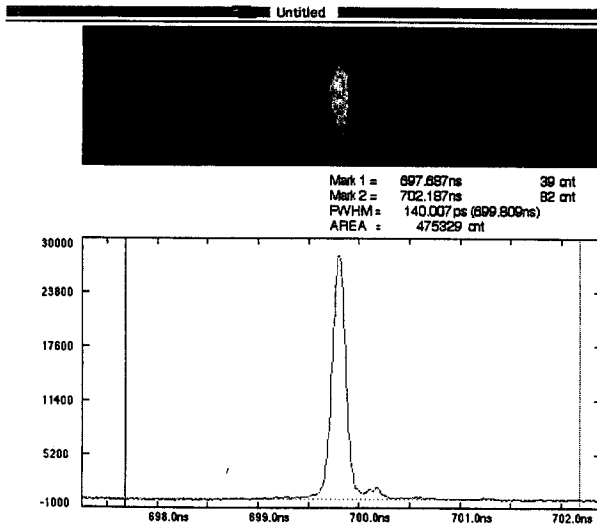
Positron Linac/BT Orbit

measured 05/29/2001 20:13:40



r.m.s = 1.752 mm  
 max = 5.825 mm  
 @ SP613  
 min = -7.516 mm  
 @ SPQXF6P\_A  
 r.m.s = 1.161 mm  
 max = 2.836 mm  
 @ SP17C2  
 min = -10.143 mm  
 @ SPGMF10P\_K  
 .416 nC  
 @ SPQMF6P\_A  
 .047

goldp\_03\_01\_2001\_00:53:29.dat range DX Auto + Fix (6) DY Auto + Fix (5) Cx/branch Auto + Fix (11) 10 Replot  
 Clear Statistics Standard Size  
 Hard Copy



Measurement Condition

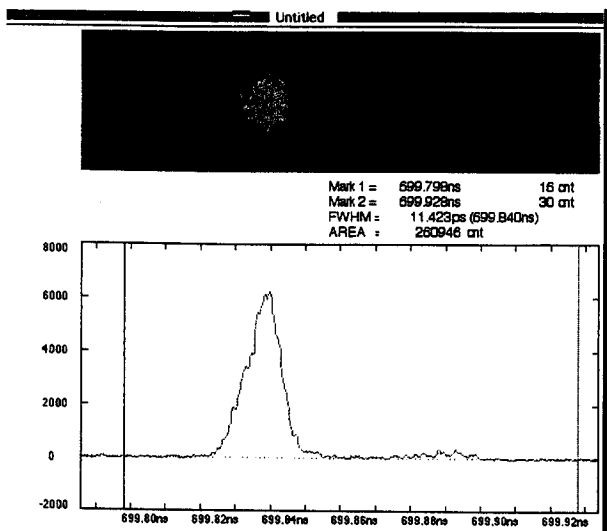
Live Time 10 pulse  
 Accum.Time 10 pulse

Control the Streak Camera  
 D-Sweep Range 5ns  
 MCP Gain 100  
 Delay 544.89 ns  
 Search pulse: 100 cnt.

Input Optics  
 Focus: (Open)  
 Slit Width: 100 um  
 Gravity Integ.  Trig.Single

Table... Quit Do It

Image Status  
 << Condition : U5565N\_C6699(R1)  
 Accum.Time 10 pulse  
 Mcp Gain 100  
 Streak Mode 5[NS]  
 Streak Trigger SINGLE  
 R:-0.520 V:0.344 Z: 3.962  
 DC Calibration ON  
 DATE 2001/ 5/ 29  
 TIME 20: 18: 21



Measurement Condition

Live Time 10 pulse  
 Accum.Time 10 pulse

Control the Streak Camera  
 D-Sweep Range 0.2ns  
 MCP Gain 93  
 Delay 559.83 ns  
 Search pulse: 100 cnt.

Input Optics  
 Focus: (Close)  
 Slit Width: 100 um  
 Gravity Integ.  Trig.Single

Table... Quit Do It

Image Status  
 << Condition : U5565N\_C6699(R1)  
 Accum.Time 10 pulse  
 Mcp Gain 93  
 Streak Mode 0.20[NS]  
 Streak Trigger SINGLE  
 R:-0.520 V:0.344 Z: 3.962  
 DC Calibration ON  
 DATE 2001/ 5/ 29  
 TIME 20: 6: 7

1/29

Single Bunch Beam 調整

The screenshot shows a beamline diagram with components: Acc. A-1, Buncher, PreBuncher, and GUN. Parameters for BUN and PreBUN are displayed. A data comparison table is also visible.

Component	Phase (deg)	Width (%)
BUN	148.9	98.3
PreBUN	375.4	54.8

Parameter	Data (A)	Data (B)	(A)-(B)
BUN φ	148.9°	148.9°	0.0°
BUN W	98.3%	98.3%	0.0%
PB φ	375.2°	375.4°	-0.2°
PB W	55.0%	54.8%	0.2%

Data #7  
(010529-10ne)にsave

GUN delay 1.562ns

SHB1 151.1°

SHB2 169.0°

File	Reference	Current	Difference
	May29 15:44:38	May29 20:12:43	
■ KL_A1	192.4 deg	178.4 deg	-14.0
└ SB_A	88.9 deg	88.9 deg	0.0
└ SB_B	356.7 deg	359.7 deg	3.0
└ SB_C	87.7 deg	87.7 deg	0.0
└ SB_1	88.9 deg	88.9 deg	0.0
└ KL_21	88.8 deg	88.8 deg	0.0
■ SB_2	253.2 deg	255.2 deg	2.0
■ SB_3	254.1 deg	256.1 deg	2.0
■ SB_4	264.4 deg	266.4 deg	2.0
└ SB_5	260.0 deg	260.0 deg	0.0

Read Ref.	Read Cur.	-10	-5	-1	-0.5	+0.5	+1	+5	+10
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