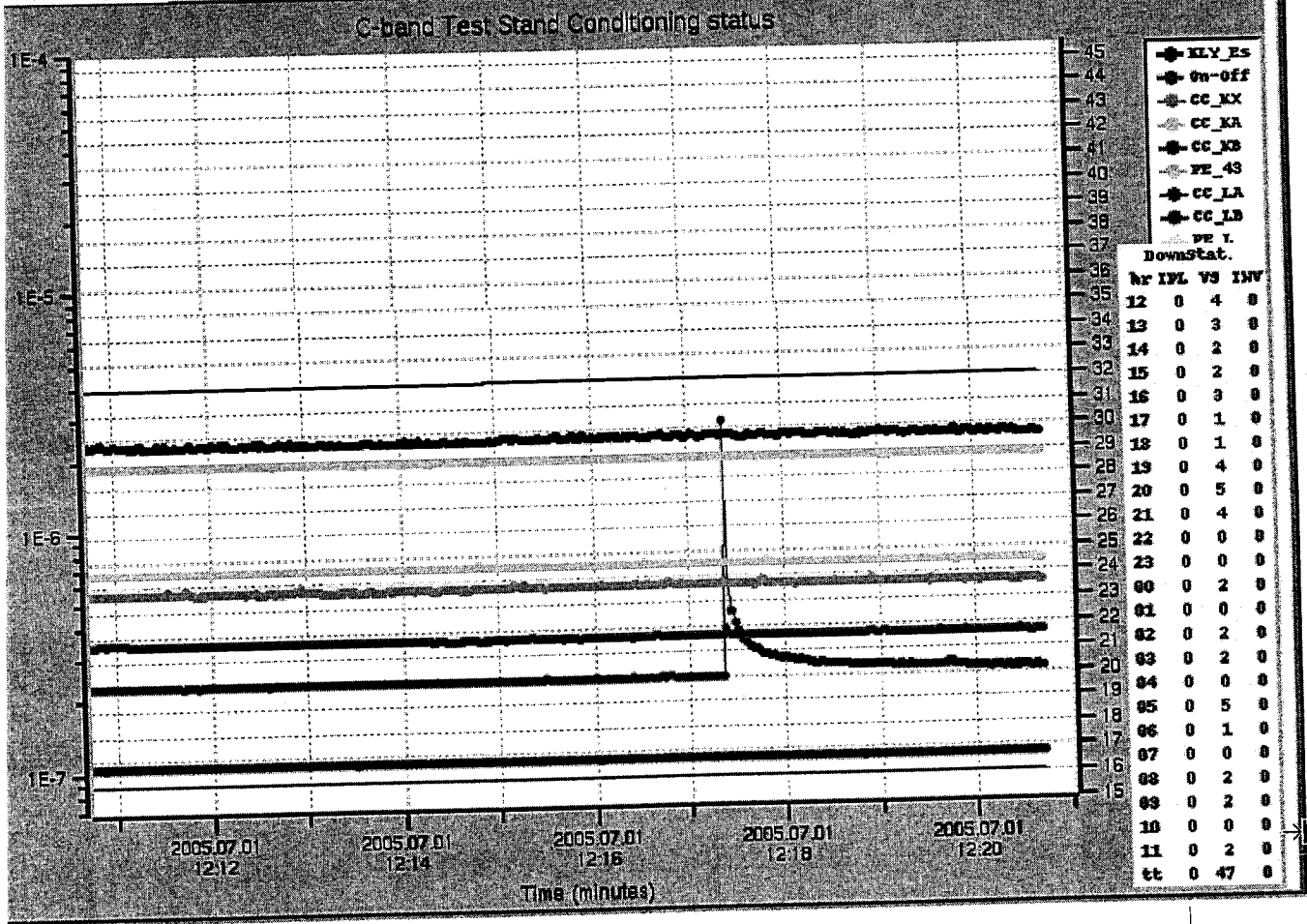


05.07.01-12:20:44 Taking data !! PlotSpan: 10mins 1hour 8hours 1day Opt Exit

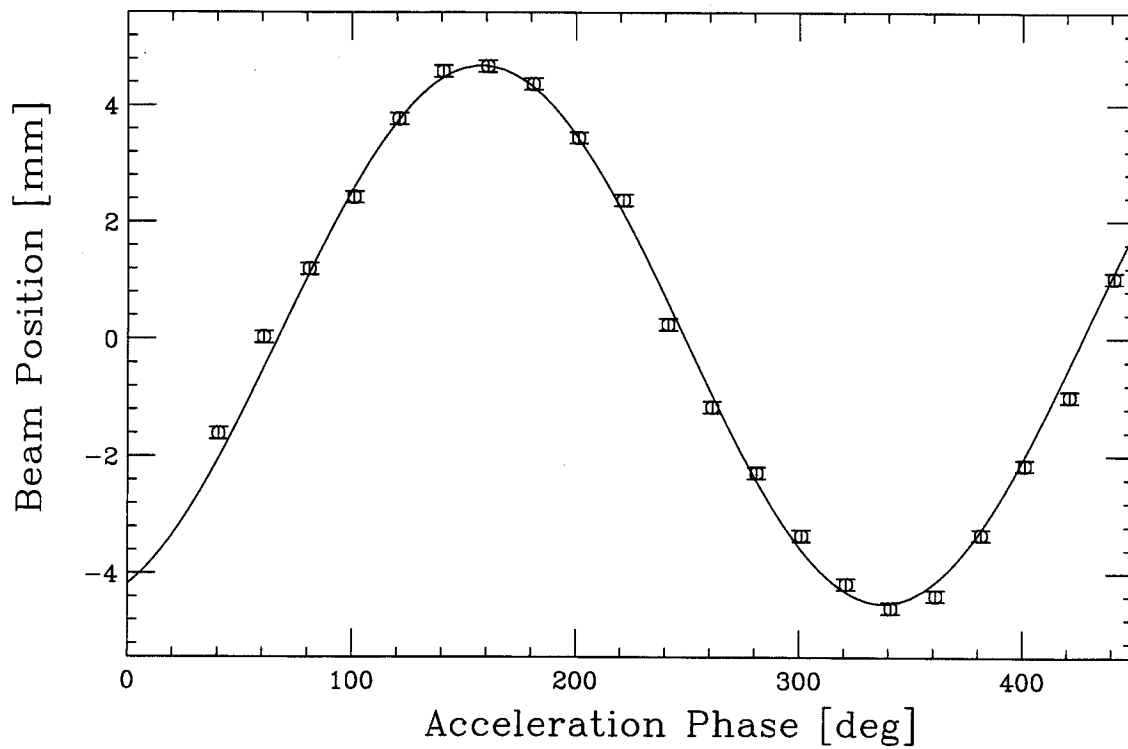
32.000 Power: 17.7 Pr: 14.6 Pb: 0.0 VSWR: 1.00 FCS: Normal Es-max: 32.080 history

OK	ON	Auto-Es-Up	OFF	J IP_KX	4.91e-07	W CC_KX	5.51e-07	Recent Trips
OK	OK	Auto-RF-ON	ON	J IP_KA	3.42e-06	W CC_KA	1.87e-06	01-08:55 VSWR= 2.75 :Pf=24.3 :Pb= 7.0 @Es=31.320
OK	ON	FailCount	2	J IP_KB	3.60e-06	W CC_KB	2.28e-06	01-08:30 VSWR= 2.71 :Pf=24.6 :Pb= 6.9 @Es=31.540
OK	ON	HaltTime(sec)	120	J IP_43	1.22e-07	W PE_43	6.68e-07	01-08:32 VSWR= 2.69 :Pf=23.9 :Pb= 6.6 @Es=31.540
OK	ON	KeepTime(min)	15	J IP_LA	4.88e-07	W CC_LA	3.40e-07	01-09:29 VSWR= 2.20 :Pf=22.5 :Pb= 3.9 @Es=31.160
OK	ON	StepUp(sec)	100	J IP_LB	3.46e-07	W CC_LB	2.42e-07	01-09:32 VSWR= 2.55 :Pf=23.4 :Pb= 5.7 @Es=31.160
		-dV(volt)	50	J IP_L	5.84e-08	W PE_L	5.74e-07	01-09:56 IPKA @Es=30.360
		Goal-Es(kV)	0	J IP_45	3.84e-07	W PE_45	1.06e-07	01-09:57 IPKA @Es=30.360
								01-11:51 VSWR= 2.60 :Pf=24.3 :Pb= 6.4 @Es=31.680
								01-11:53 VSWR= 2.62 :Pf=22.2 :Pb= 5.7 @Es=31.680

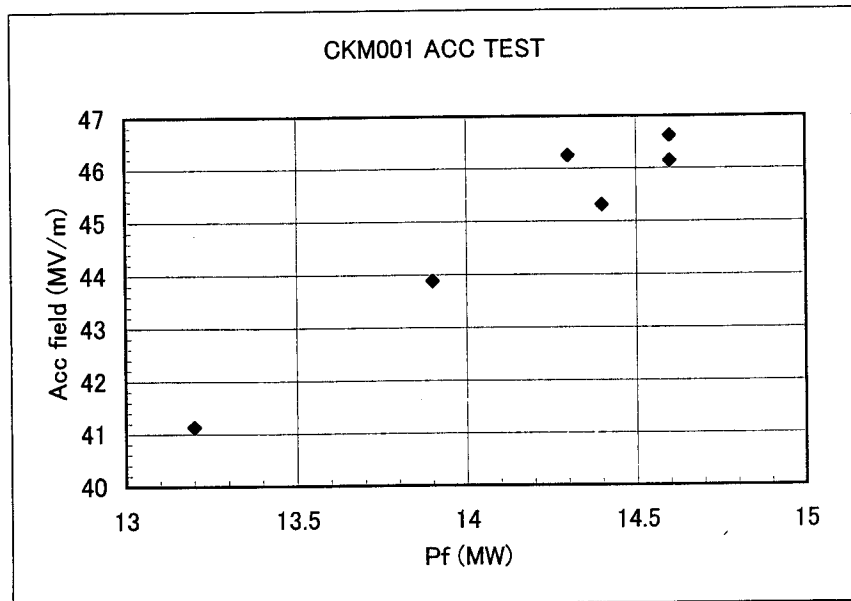
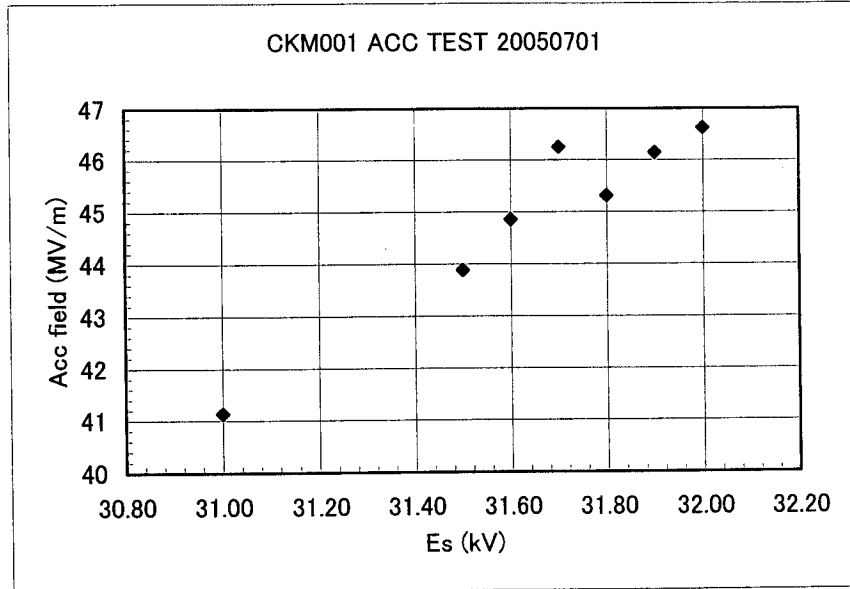


C-band accelerator module: $E_s = 32.00 \text{ kV}$ @ 12:15

Amplitude = -4.599 Energy Gain = -44.867
PhaseOffset = 607.895 Accel Field = -46.627
BaseLine = 0.080



ES(kV)	Pf(MW)	Eacc(MeV/m)	Energy gain(MeV)	ΔX (mm)	delay
30.36	12.4	40.509	38.980	3.995	7620
31.00	13.3	40.415	38.889	3.986	7620
31.00	#N/A	#N/A	#N/A	#N/A	7200
31.00	13.2	41.134	39.581	4.057	7600
31.50	13.9	43.884	42.228	4.328	7600
31.60	#N/A	44.854	43.160	4.424	7600
31.70	14.3	46.249	44.503	4.562	7600
31.80	14.4	45.311	43.600	4.469	7600
31.90	14.6	46.145	44.403	4.551	7600
32.00	14.6	46.627	44.867	4.599	7600



Sep. 2, 2007 Aug 31. 511 徐々2 Beam調整.
 Streak 不調のため, Lenz 角度調整 by kusano.

Mark 1 = 692.307ns 3376 cnt
 Mark 2 = 696.807ns -1882 cnt
 FWHM = 181.695ps (693.518ns)
 AREA = 12107993 cnt

Measurement Condition

Live Time: 5 pulse
 Accum. Time: 40 pulse

Control the Streak Camera

D-Sweep Range: 5ns
 MCP Gain: 100 %
 Delay: 539.51 ns
 Search pulse: 5000 cnt.

Input Optics

Focus: Open
 Slit Width: 100 um
 Gravity Integ. Trig. Single

Table... Quit Do It

Image Status

<< Condition : BeamC6699_R1 >>
 Accum. Time 48 pulse
 Mcp Gain 100[%]
 Streak Mode 5[NS]
 Streak Trigger SINGLE
 X: -0.240 Y: 0.120 Z: 7.1840
 DC Calibration ON
 DATE 1904:01:15
 TIME 20:53:12
 << Comment >>
 (No Filter)

Optics_A1

Gallery

Left: -0.240 mm Right: < >
 Down: 0.120 mm Top: < >
 Near: 7.184 mm Far: < >

Tunnel

Left: 6.526 mm Right: < >
 Down: -1.978 mm Top: < >
 Near: -4.390 mm Far: < >

Filter: No Filter
 Filter... Load from... Save as...
 Quit Load Def. Save Def.

インターネットを始めるよ
 Timbuktu Sender

e+ beam

Mark 1 = 693.778ns 14560 cnt
 Mark 2 = 693.908ns 4238 cnt
 FWHM = 15.091ps (693.828ns)
 AREA = 11132784 cnt

Measurement Condition

Live Time: 5 pulse
 Accum. Time: 40 pulse

Control the Streak Camera

D-Sweep Range: 0.2ns
 MCP Gain: 100 %
 Delay: 553.81 ns
 Search pulse: 5000 cnt.

Input Optics

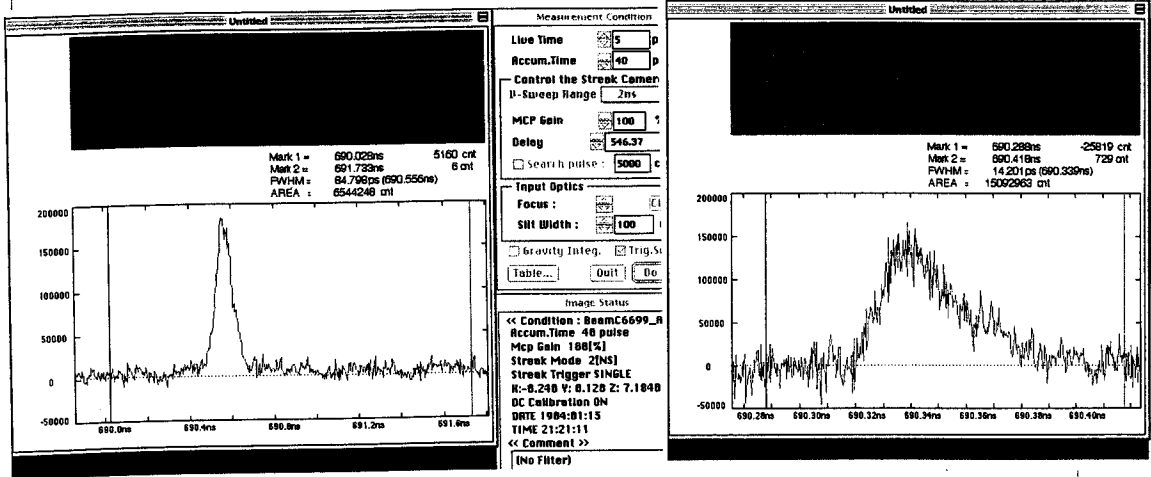
Focus: Close
 Slit Width: 100 um
 Gravity Integ. Trig. Single

Table... Quit Do It

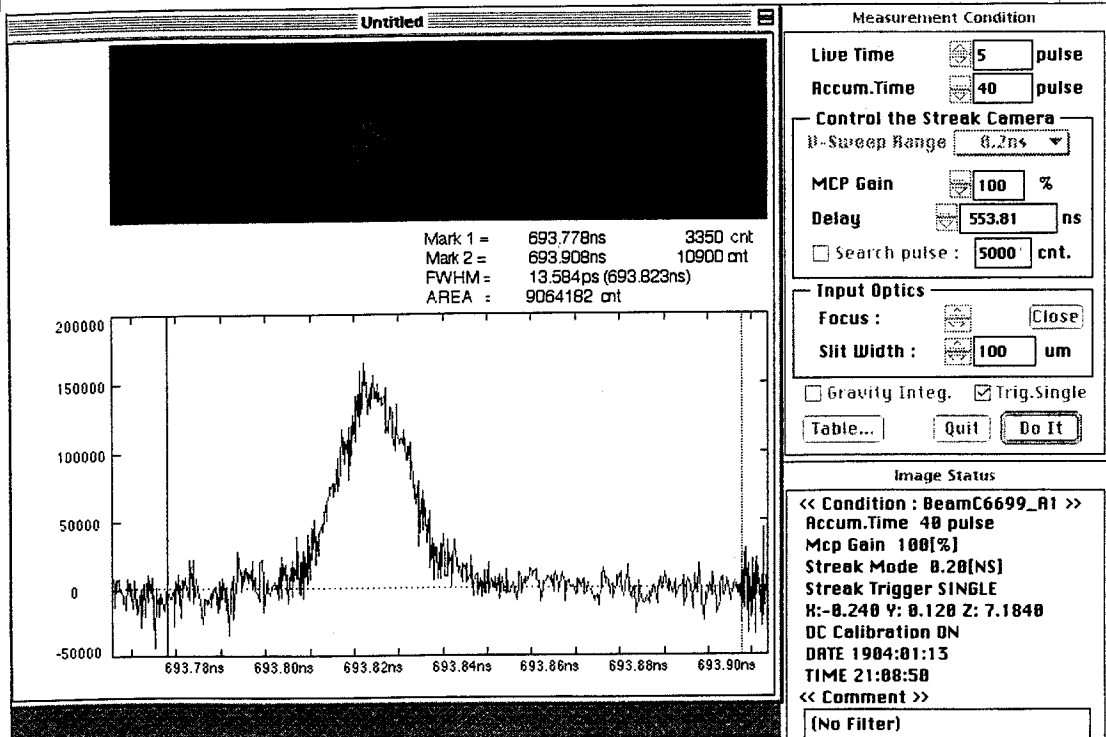
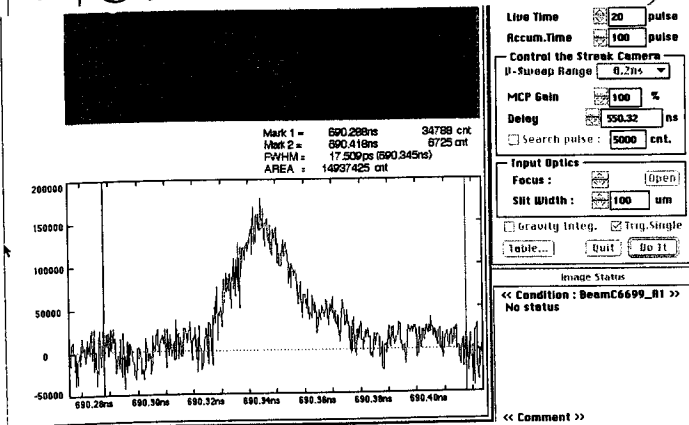
Image Status

<< Condition : BeamC6699_R1 >>
 Accum. Time 48 pulse
 Mcp Gain 100[%]
 Streak Mode 0.20[NS]
 Streak Trigger SINGLE
 X: -0.240 Y: 0.120 Z: 7.1840
 DC Calibration ON
 DATE 1904:01:15
 TIME 20:59:29
 << Comment >>
 (No Filter)

e beam 調整前の状態 (Sep.02 午前調整の結果)

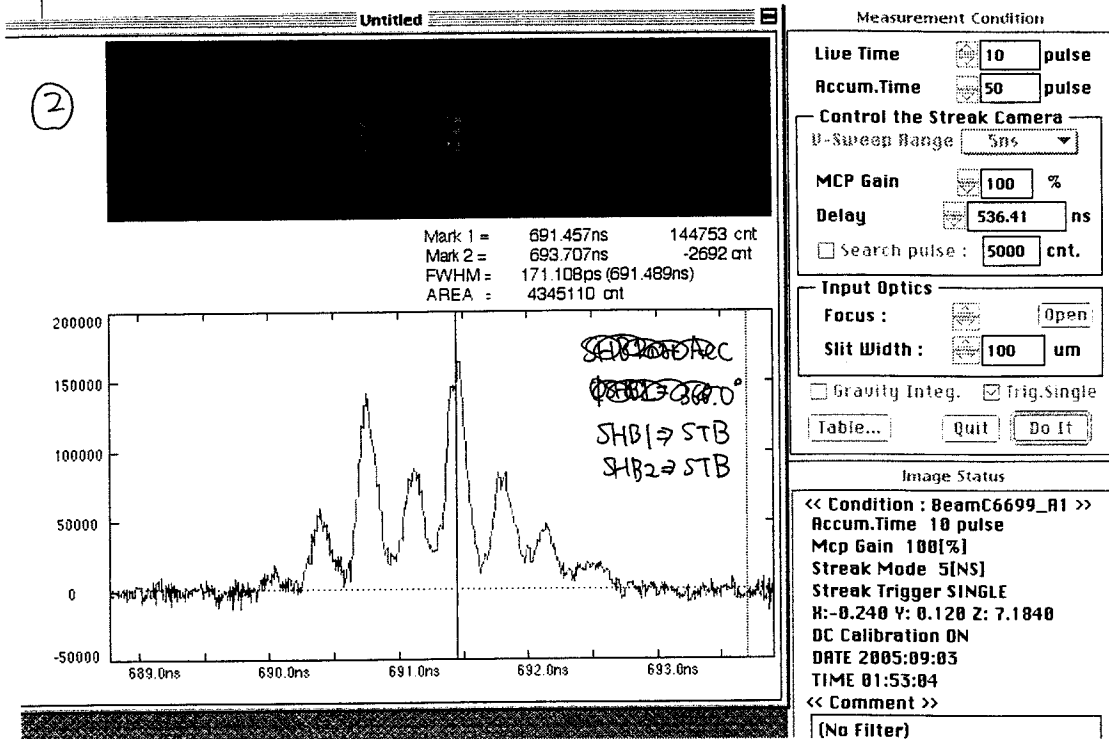
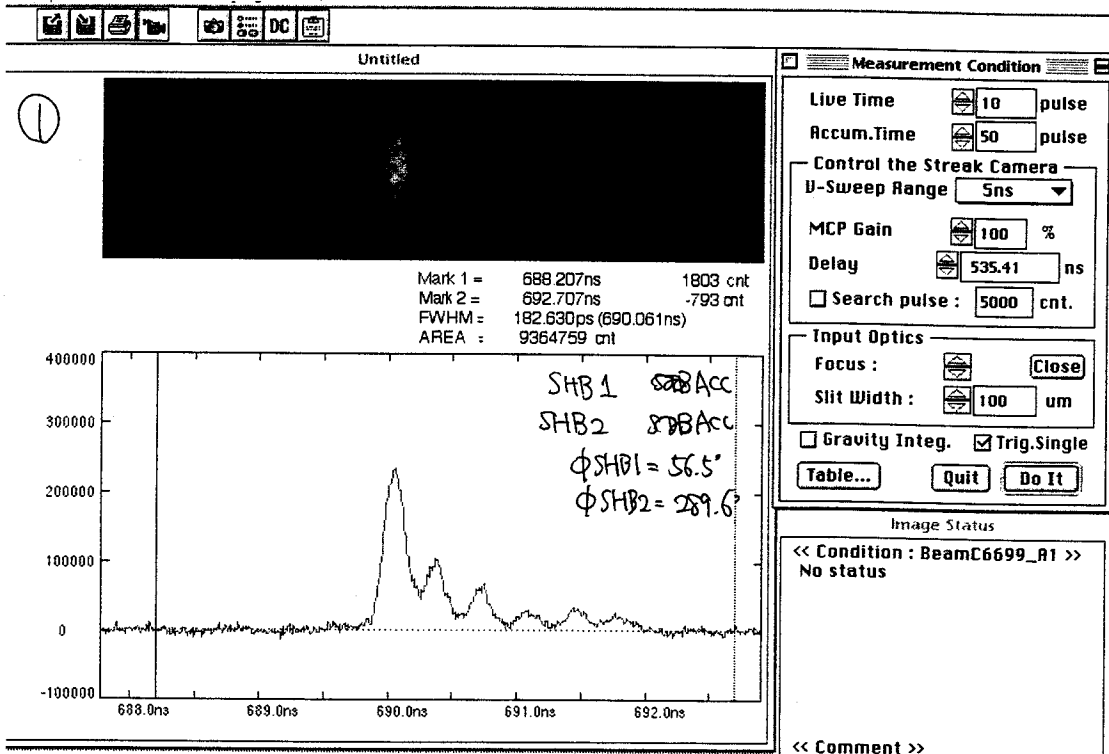


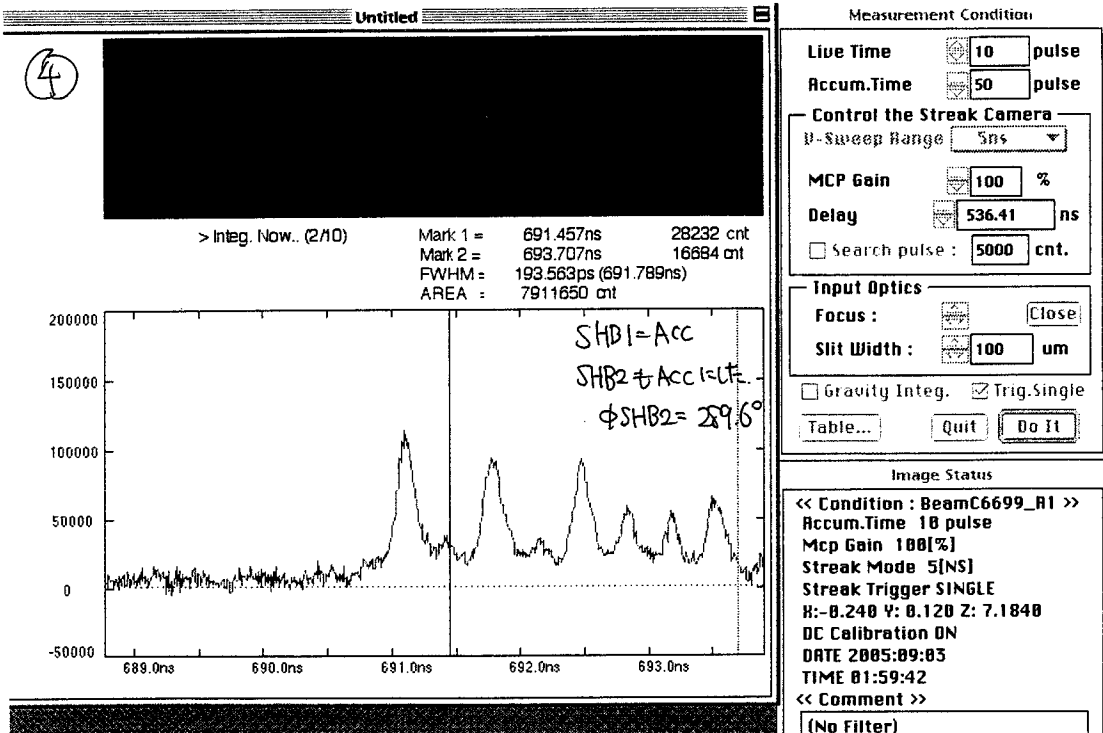
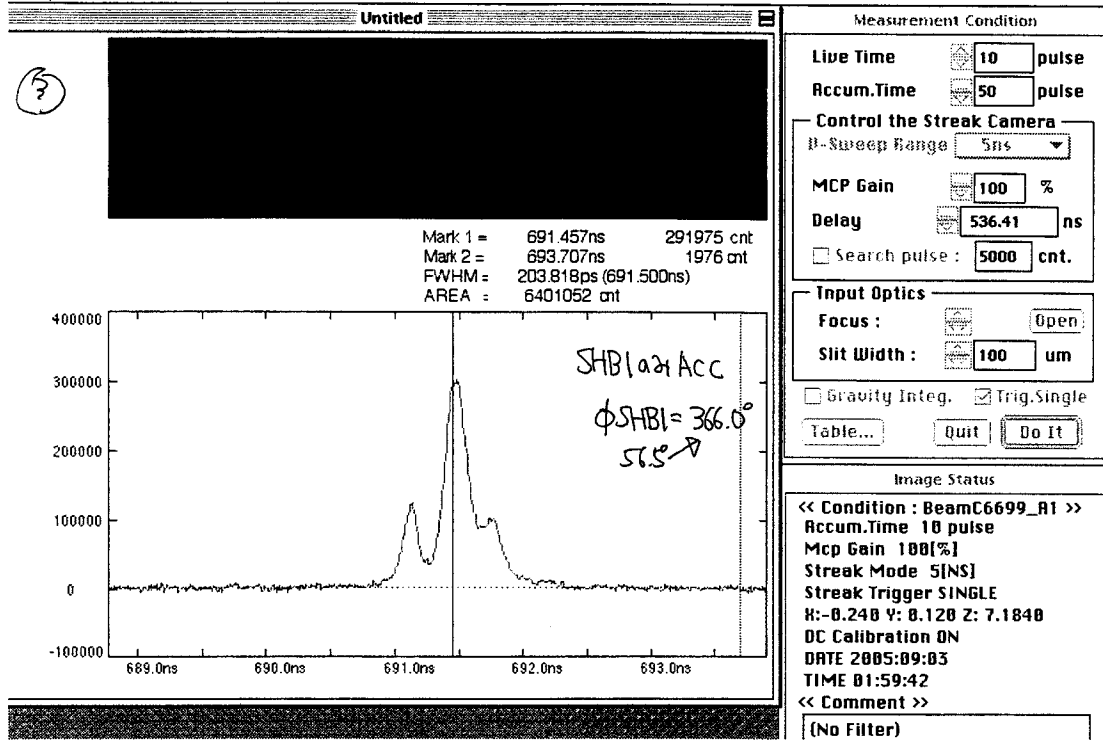
調整途中 SHB 2台, Gmudelay 調整後

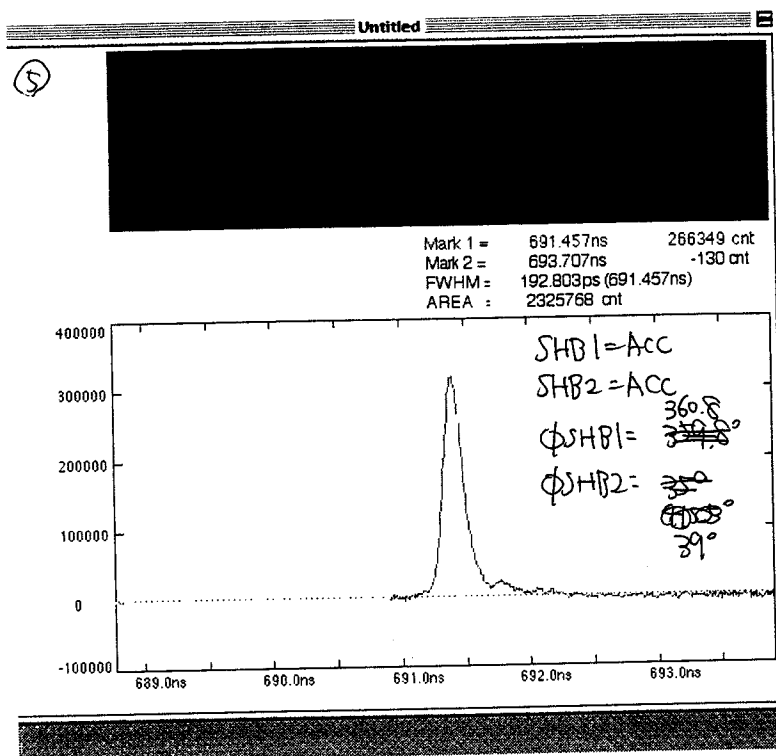


2005.09.03

E-4調整, E-4の工本費一括の @ J-arc が 大丈夫 → SHB位相調整







Measurement Condition

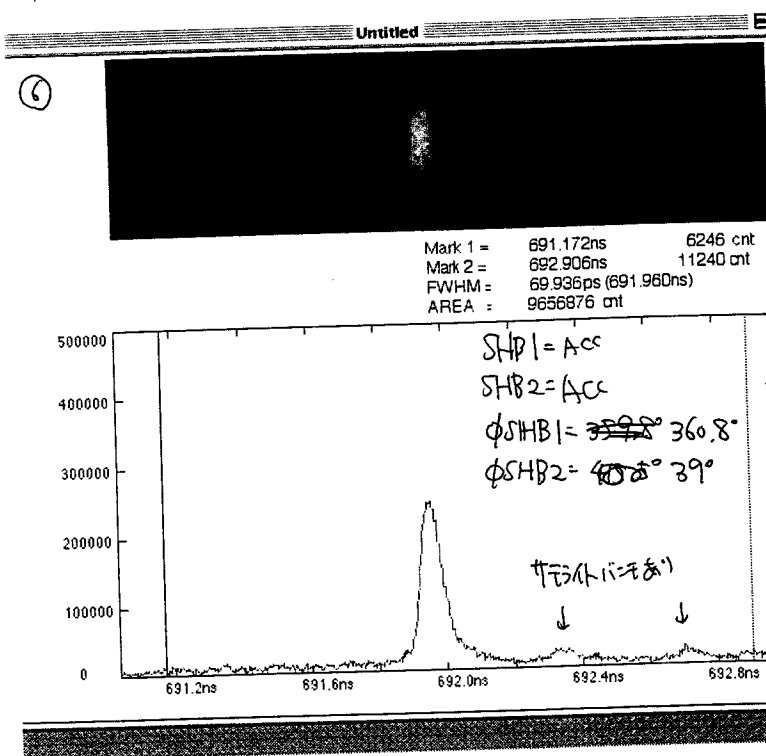
Live Time 10 pulse
 Accum.Time 50 pulse

Control the Streak Camera
 D-Sweep Range 5ns
 MCP Gain 100 %
 Delay 536.41 ns
 Search pulse : 5000 cnt.

Input Optics
 Focus : [Close]
 Slit Width : 100 um
 Gravity Integ. Trig.Single
 Table... Quit Do It

Image Status

<< Condition : BeamC6699_A1 >>
 Accum.Time 10 pulse
 Mcp Gain 100[%]
 Streak Mode 5[NS]
 Streak Trigger SINGLE
 X:-0.248 Y: 0.120 Z: 7.1848
 DC Calibration ON
 DATE 2005:09:03
 TIME 01:59:42
 << Comment >>
 (No Filter)



Measurement Condition

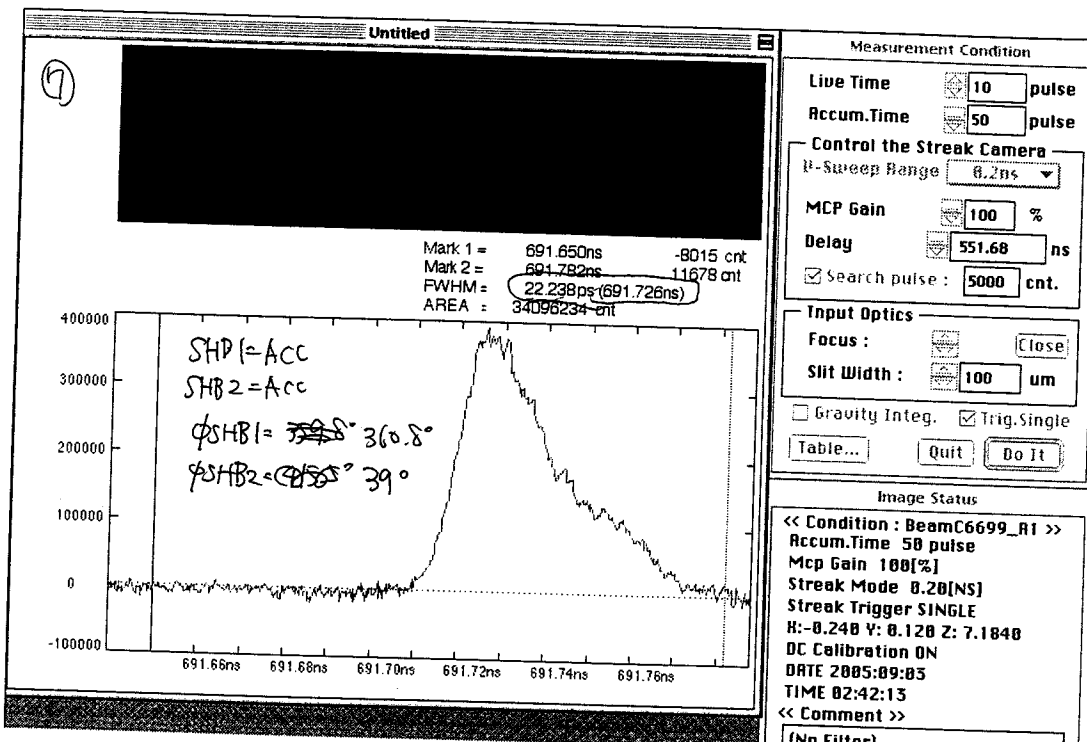
Live Time 10 pulse
 Accum.Time 50 pulse

Control the Streak Camera
 D-Sweep Range 2ns
 MCP Gain 92 %
 Delay 547.54 ns
 Search pulse : 5000 cnt.

Input Optics
 Focus : [Open]
 Slit Width : 100 um
 Gravity Integ. Trig.Single
 Table... Quit Do It

Image Status

<< Condition : BeamC6699_A1 >>
 Accum.Time 10 pulse
 Mcp Gain 92[%]
 Streak Mode 2[NS]
 Streak Trigger SINGLE
 X:-0.248 Y: 0.120 Z: 7.1848
 DC Calibration ON
 DATE 2005:09:03
 TIME 02:35:42
 << Comment >>
 (No Filter)

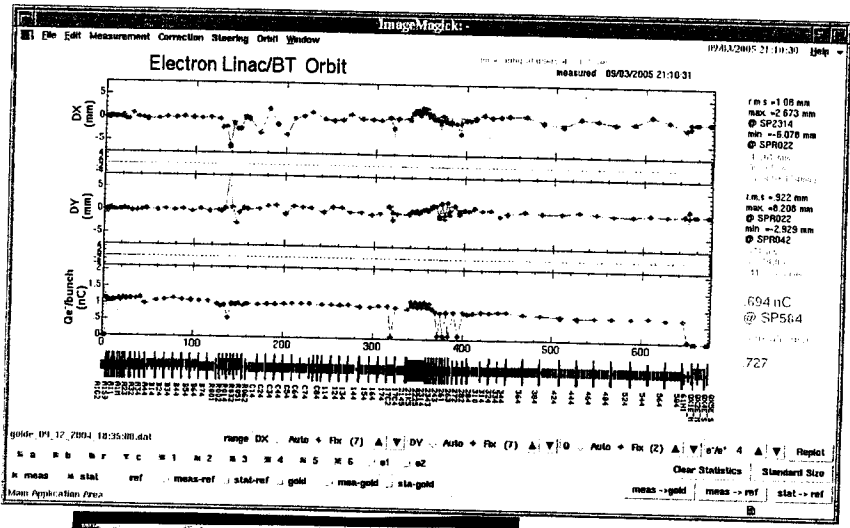
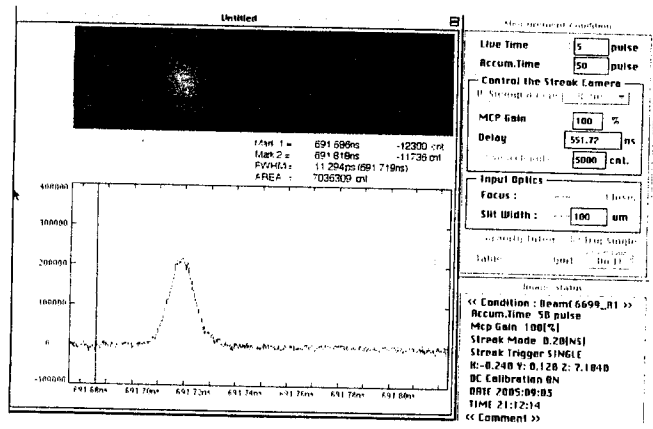


1/2 準夜
調整後

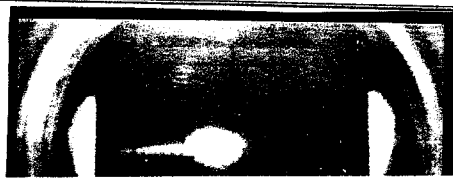
SHB1 ϕ 360.8
↓
359.1°
SHB2 ϕ 39.0°
↓
52.6°

Gun Delay 0.950ns
↓
1.280ns

調整



調整後



Gun Delay 1.280
SHB1 ϕ 359.1°
SHB2 ϕ 52.6°