BX_G1_F3 Range $I_0 = -0.502$

$I \in [-1.20, 0.70]$ $\Delta I = 1.9$

BS_G1_F4 Range $I_0 = 0.001$ (Hysteresis)

$I \in [-0.80, 1.50]$ $\Delta I = 2.3$

SY_S7_3 Range $I_0 = -0.499$

$I \in [-1.80, 0.90]$ $\Delta I = 2.7$

BY_G1_F1 Range $I_0 = 0.008$

$I \in [-0.492, 0.508]$ $\Delta I = 1.0$

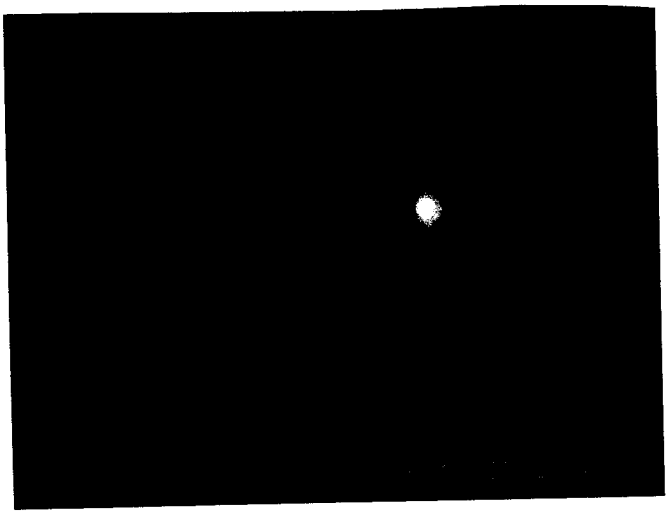
$I \in [-0.5, +0.5]$

BY_G1_F5 Range $I_0 = -0.131$

$I \in [-0.83, 0.43]$ $\Delta I = 1.26$

C-band STUDY 2005.10.25. 杉村, 紙谷
工藤, 横山

e⁻ 8GeV (KEKB e⁻モード), 5Hz, 5Average.
軌道補正 3, 4, 5セクター (吉田さんプログラム)
SC SP-61-H スクリーンスポット. Energy フィードバック ON.



SP-61-H1 offset.
0.08 → 0.00

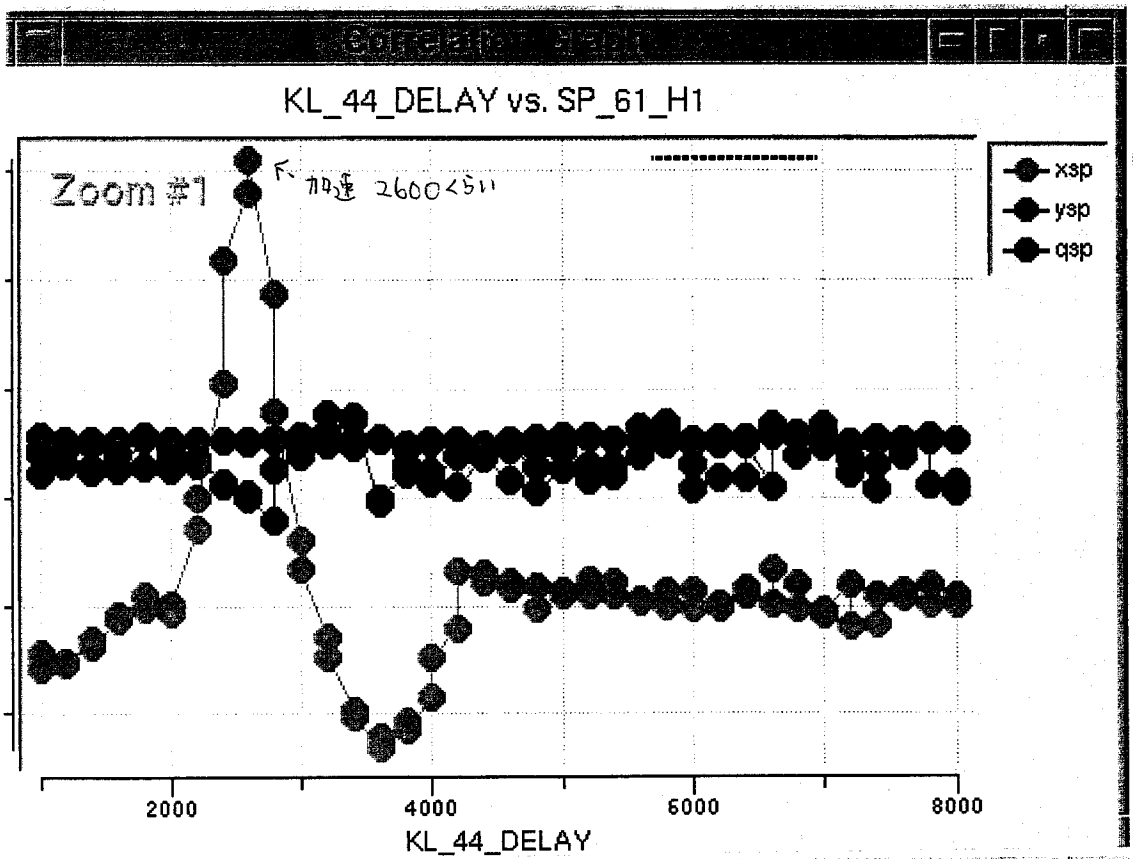
| X(mm) | Y(mm) | I(nC) | dX(mm) | dY(mm) | dI(nC) |
|---|---|---|---|---|---|
| 0.015 | 0.748 | 0.773 | 0.025 | 0.036 | 0.003 |
| -0.02 | | | | | |

KEKB e- Energy Feedback を STOP, ラスモ OFF

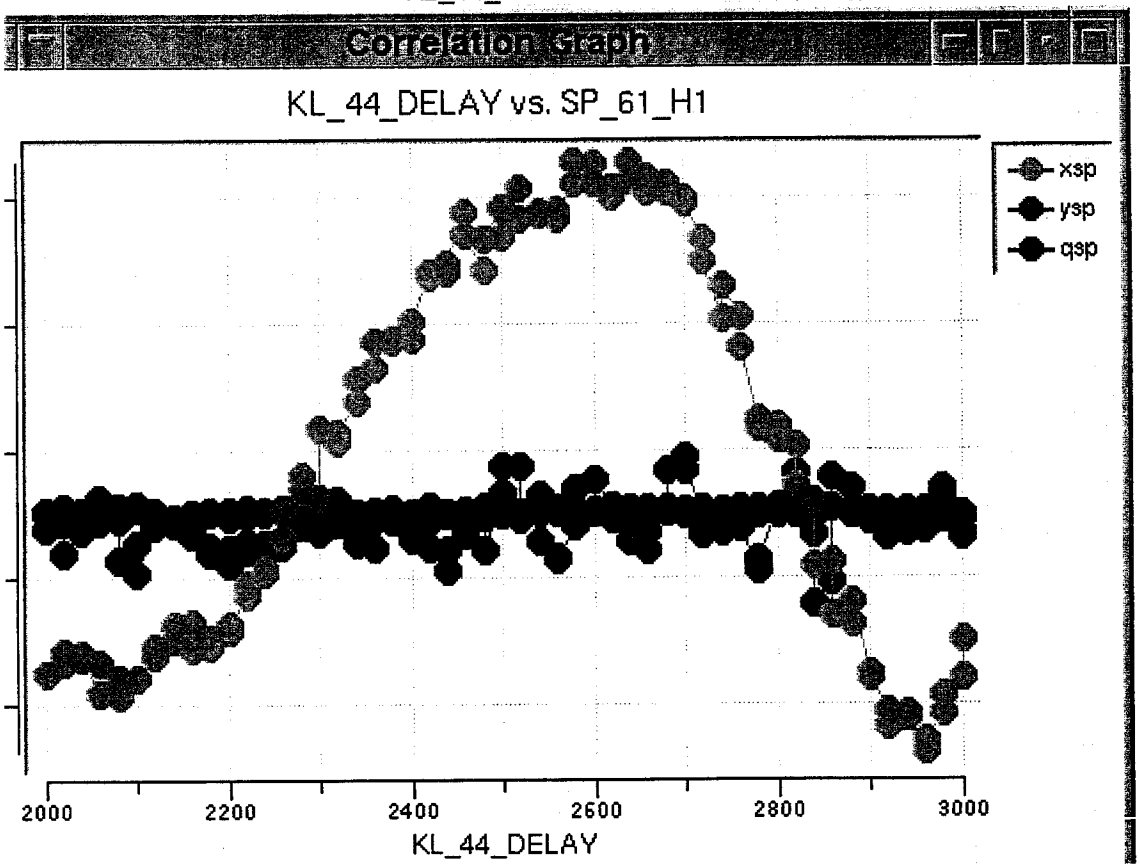
4-4. ACC X(mm) → 0.08

KL-44-DELAY 3230 → 2600

① KL-44-DELAY
SP-61-H1




1. KL-44-SB
② - DELAY
3. - WIDTH
4. - PHASE

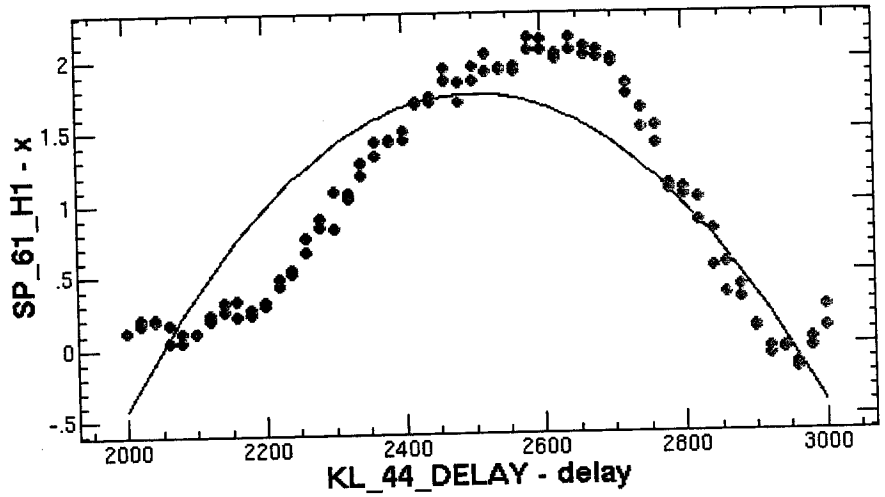


Error message の時
Kly-Phase A

PHASE
371.2° → 191.2° → 150°
2.0 −2.0 −3.0

File Edit Window 10/25/2005 11:13:04 Help

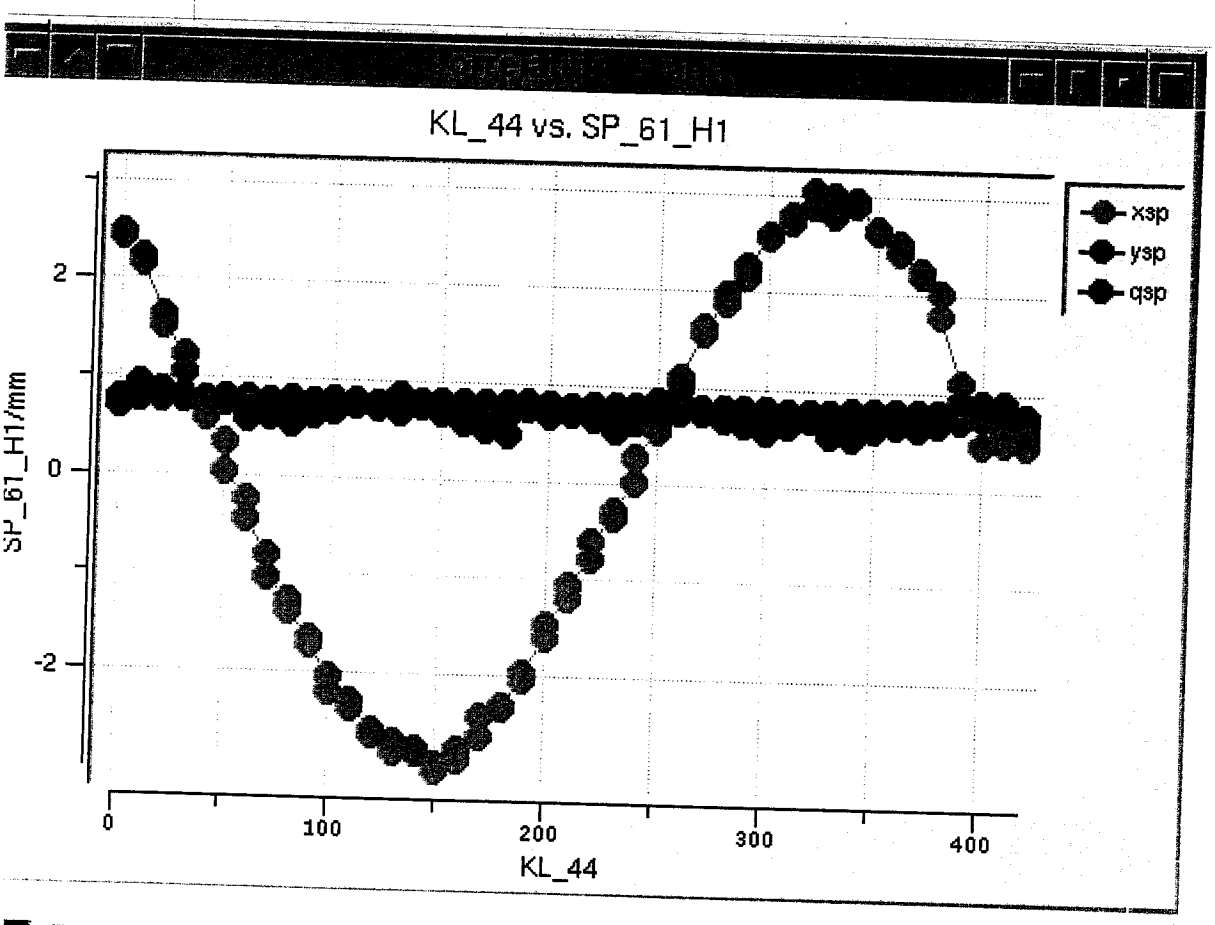
ChiSquare = 13.5825 Goodness = .48110
a = -8.7E-6 +/- 4.73E-7 b = 2500.00 +/- 7.12788 c = 1.75561 +/- .05503




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

Main Application Area

※ delay はふってはいけません。

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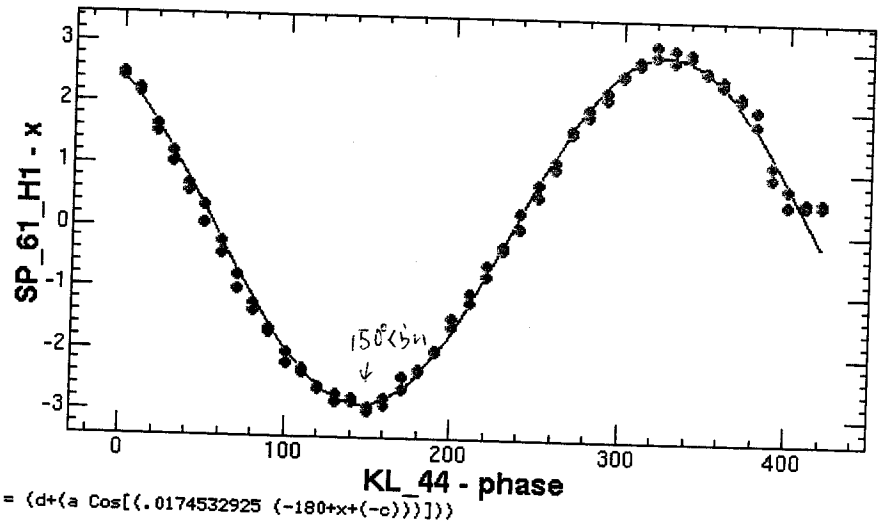
ChiSquare = 2.52821 Goodness = .47935

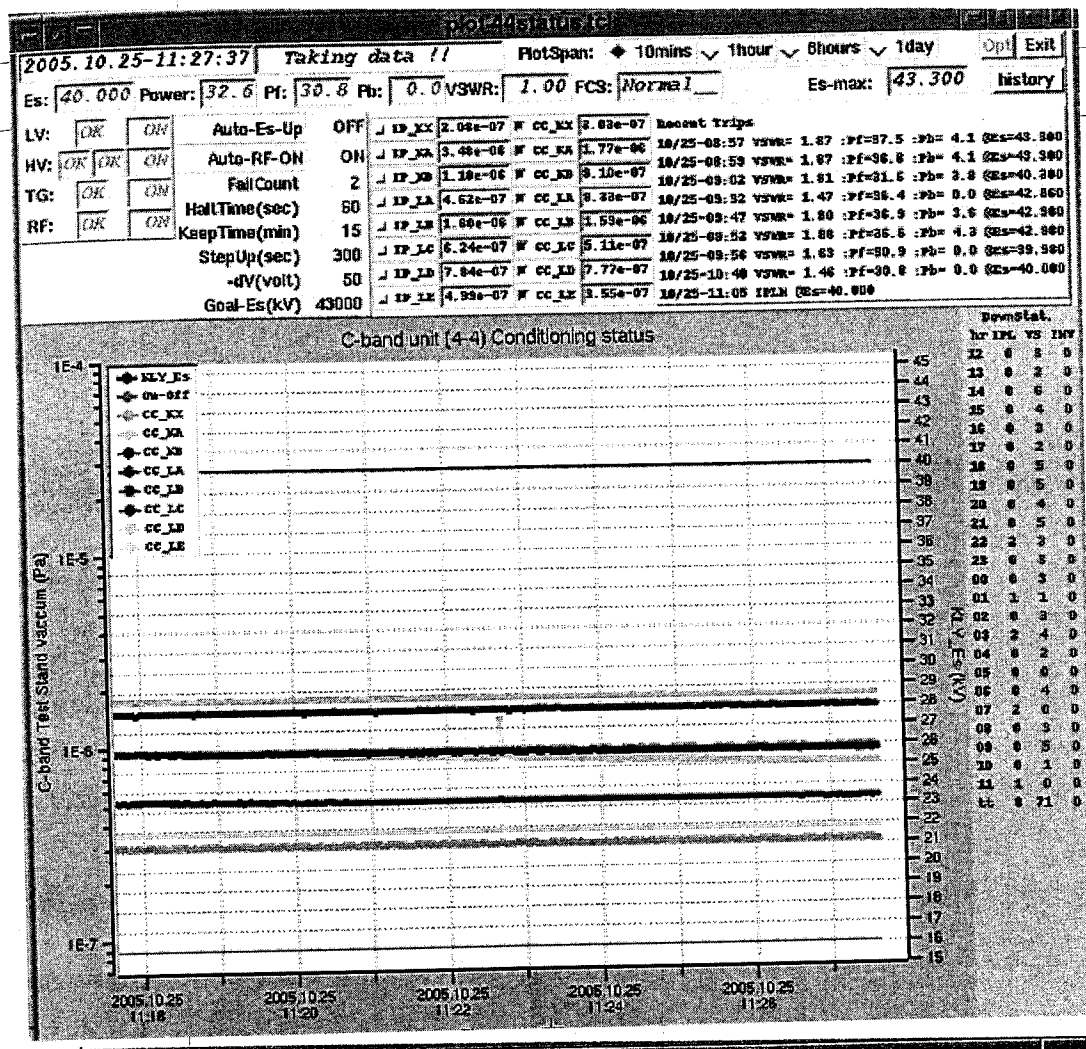
a = 2.87727 +/- .02795 c = 145.754 +/- .52140 d = .00746 +/- .01922

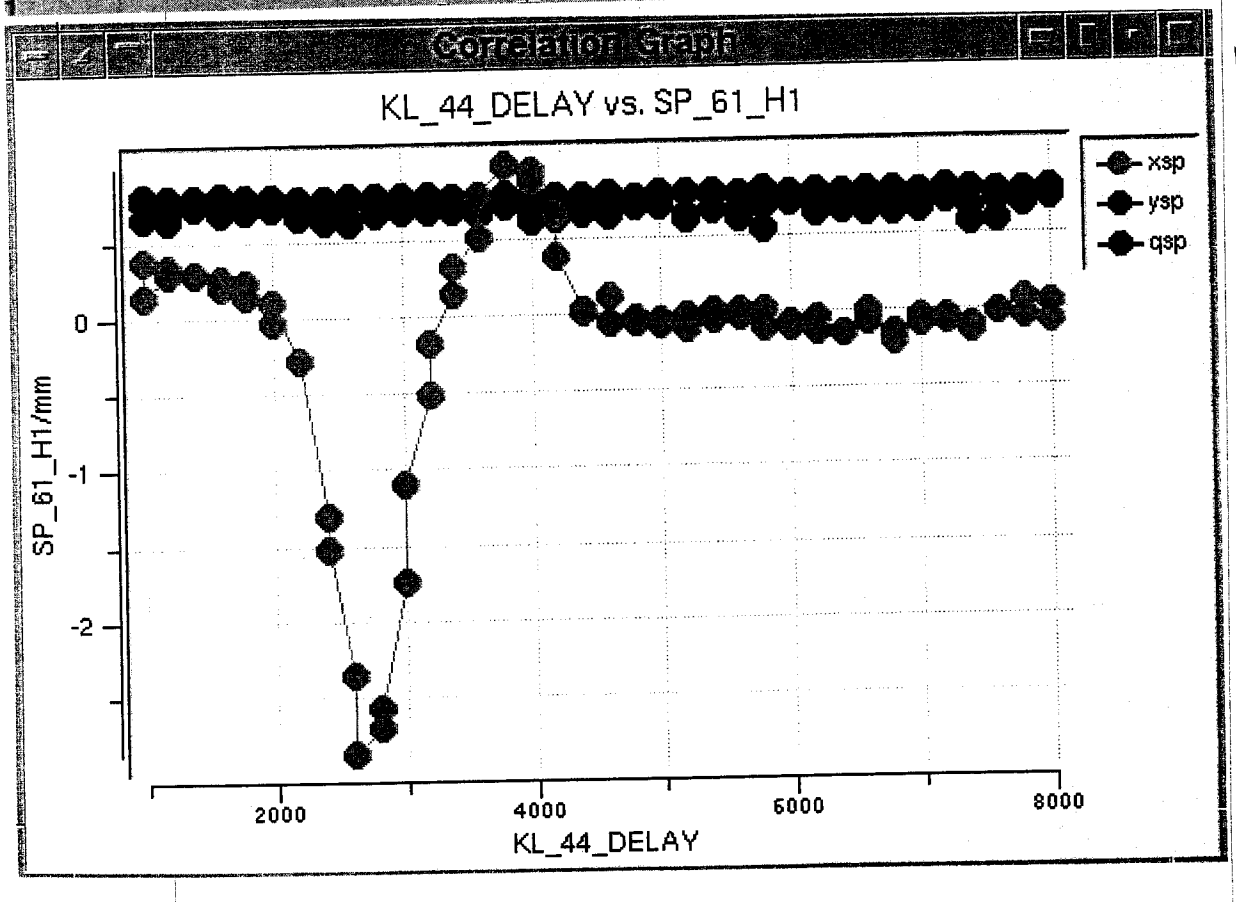



inction = (d+(a Cos[(.0174532925 (-180+x+(-c)))]))

in Application Area

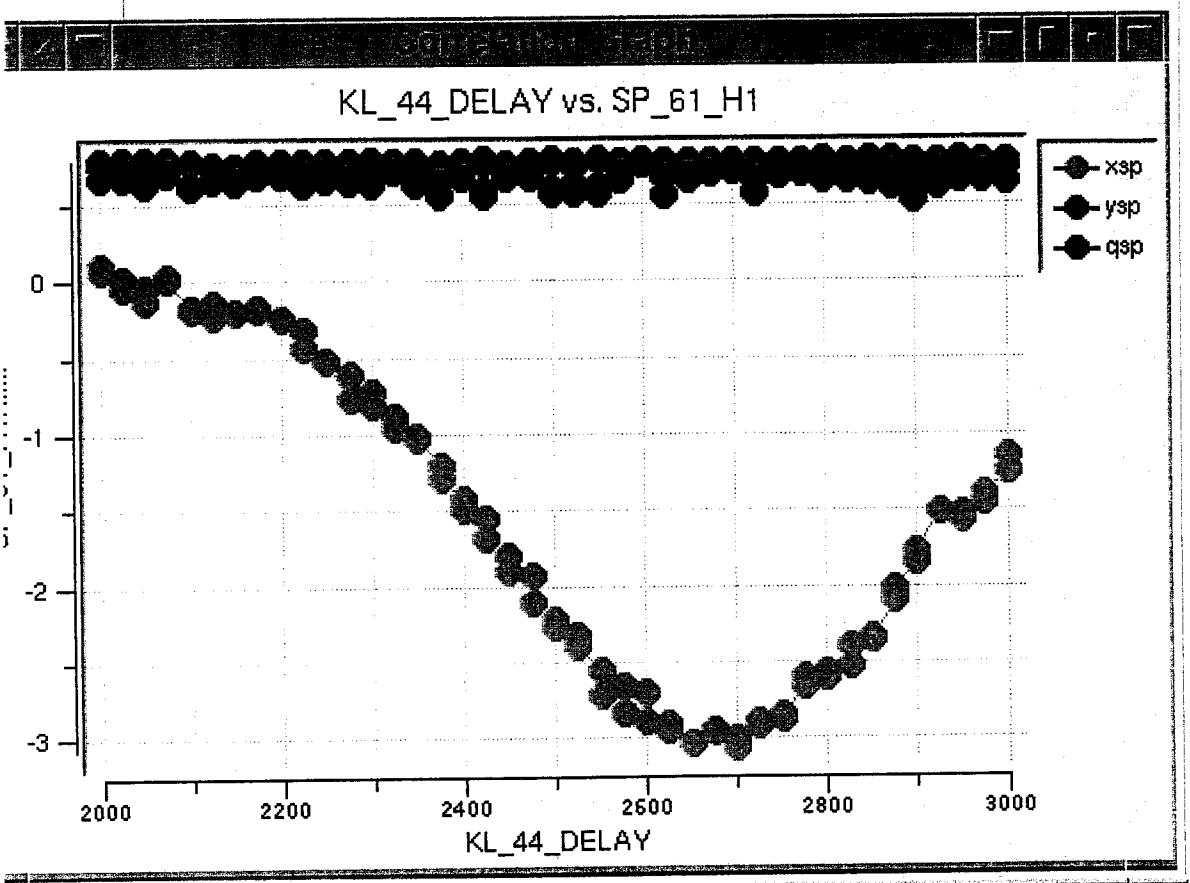
$\delta x \frac{2.87727}{307.5} \times 1000 = 74.85$ MeV $\frac{74.85}{0.9622254} = 19.5$ MV/m

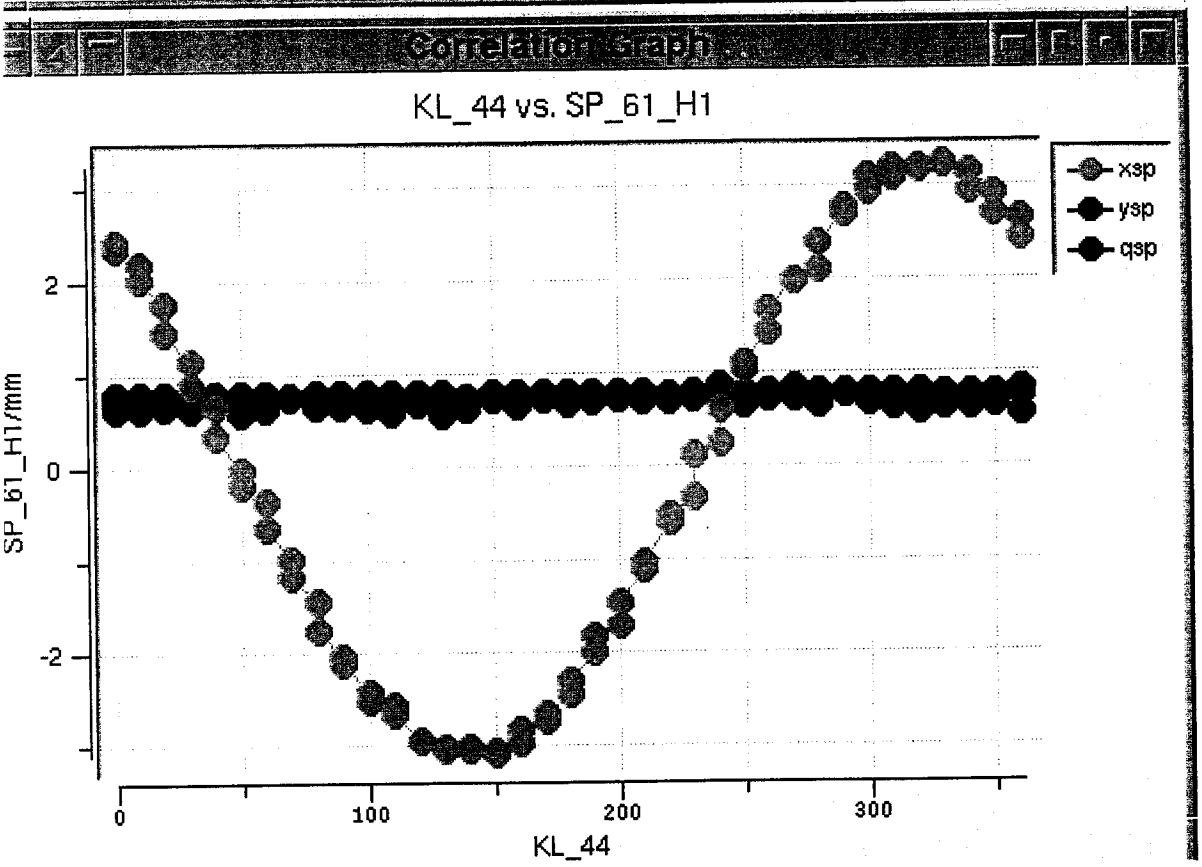

2005.10.25-11:27:37
Taking data !!
PlotSpan: 10mins 1hour 6hours 1day
Opt
Exit
Es: 40.000 Power: 32.6 Pf: 30.8 Pb: 0.0 VSWR: 1.00 FCS: Normal
Es-max: 43.300
history
LV: ON
HV: ON
TG: ON
RF: ON
Auto-Es-Up OFF
Auto-RF-ON ON
FailCount 2
HaltTime(sec) 60
KeepTime(min) 15
StepUp(sec) 300
-dV(volt) 50
Goal-Es(kV) 43000
Recent Trips
C-band unit (4-4) Conditioning status
C-band Test Stand vaccum (Pa)
KLY_Es (kV)
1E-4
1E-5
1E-6
1E-7
2005.10.25 11:18
2005.10.25 11:20
2005.10.25 11:22
2005.10.25 11:24
2005.10.25 11:26


Correlation Graph
KL_44_DELAY vs. SP_61_H1
xsp
ysp
qsp
SP_61_H1/mm
0
-1
-2
2000
4000
6000
8000
KL_44_DELAY

PHASE 150°

KL-44-DELAY　2600 → 2650 にセット



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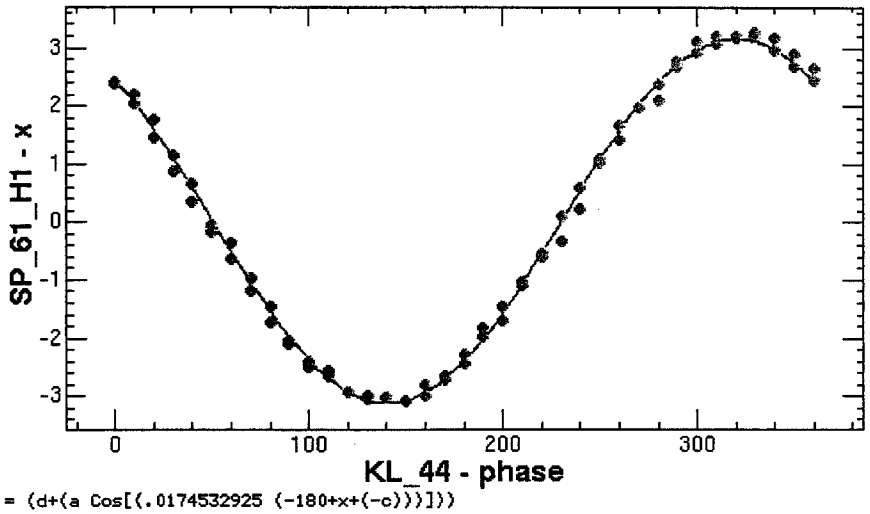
ChiSquare = 1.08654 Goodness = .47768

a = 3.14087 +/- .02030 c = 140.326 +/- .37217 d = .01005 +/- .01439

$\frac{\pi \times 3.14087}{307.5} = 81.92$ MV

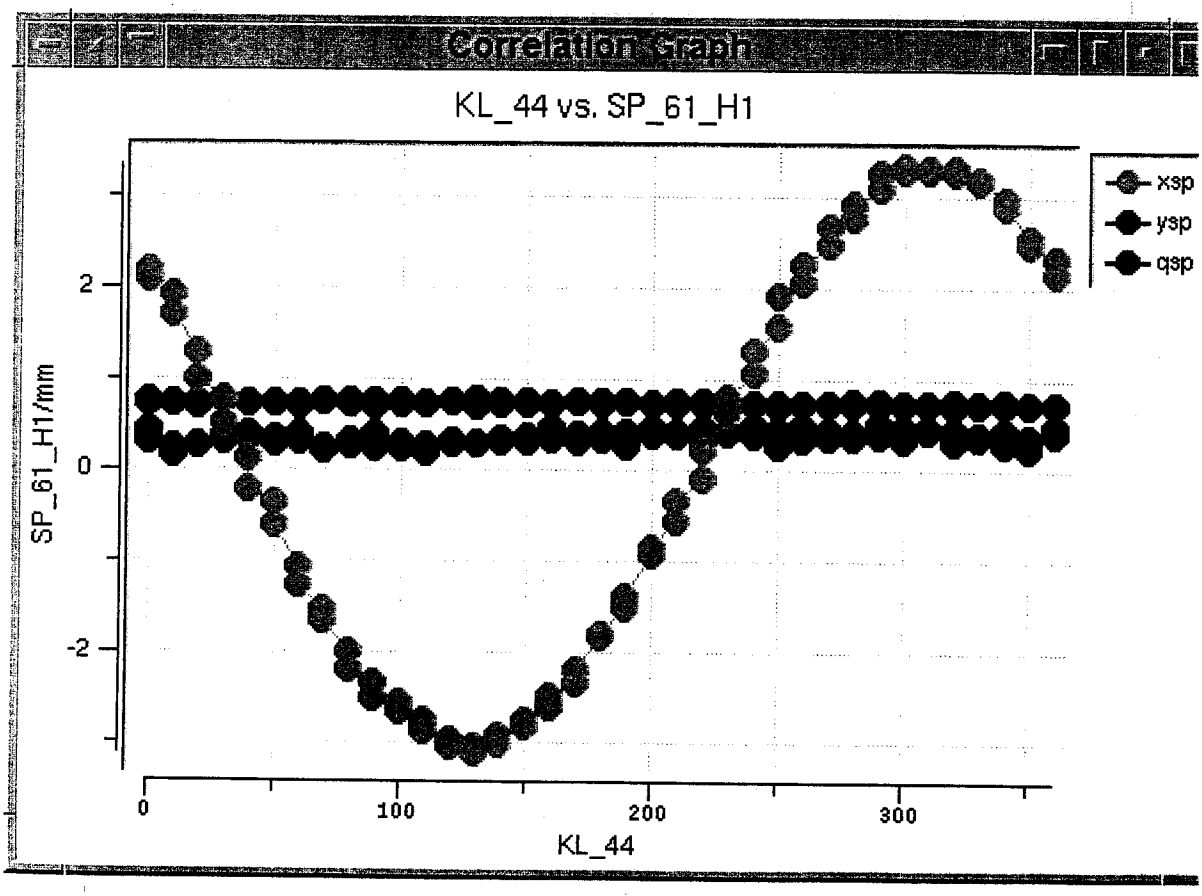


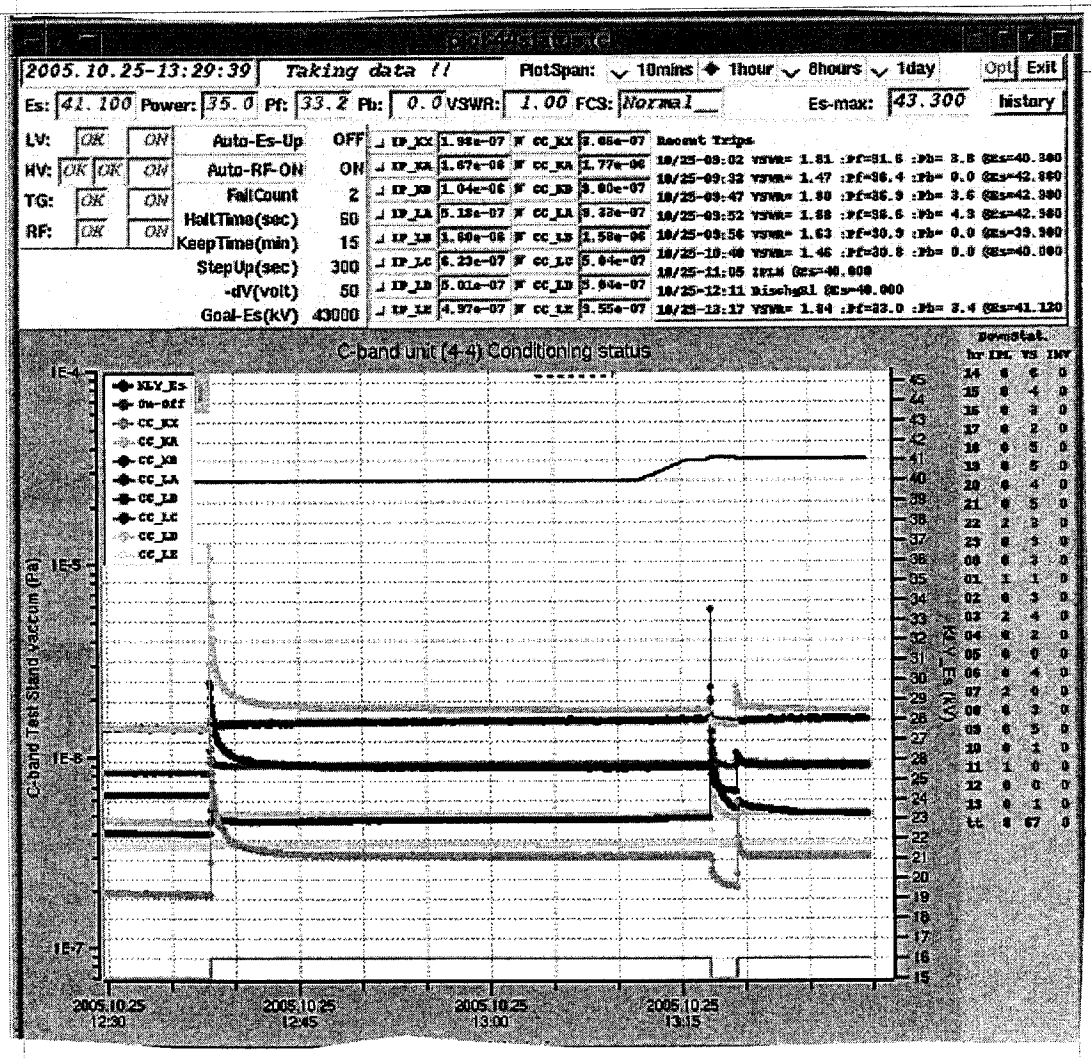

Function = (d+(a Cos[(.0174532925 (-180+x+(-c)))]))

Hard Copy

30 $\bar{E}_s = \frac{41.1}{\cancel{41.0}}$ kV ⇒ ±3.2 mm gain 83.3 MV

KL_44_PELAY = 2651



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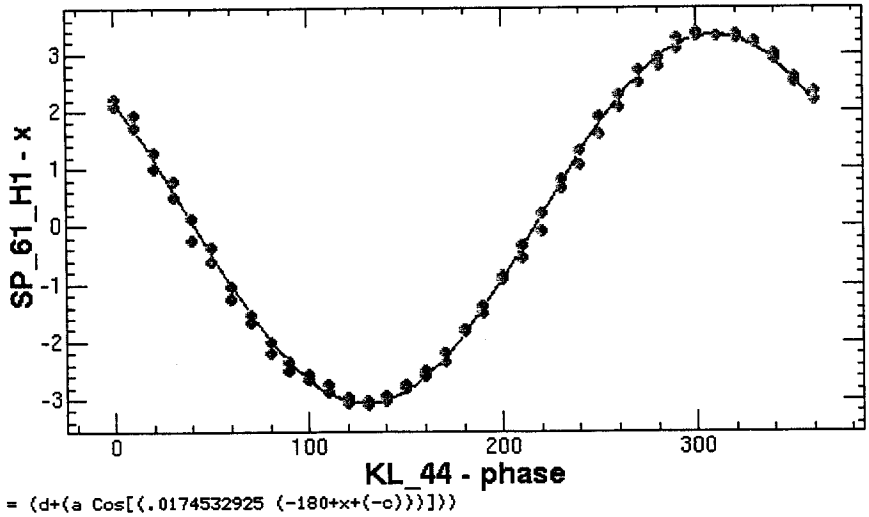
ChiSquare = .92637 Goodness = .47768

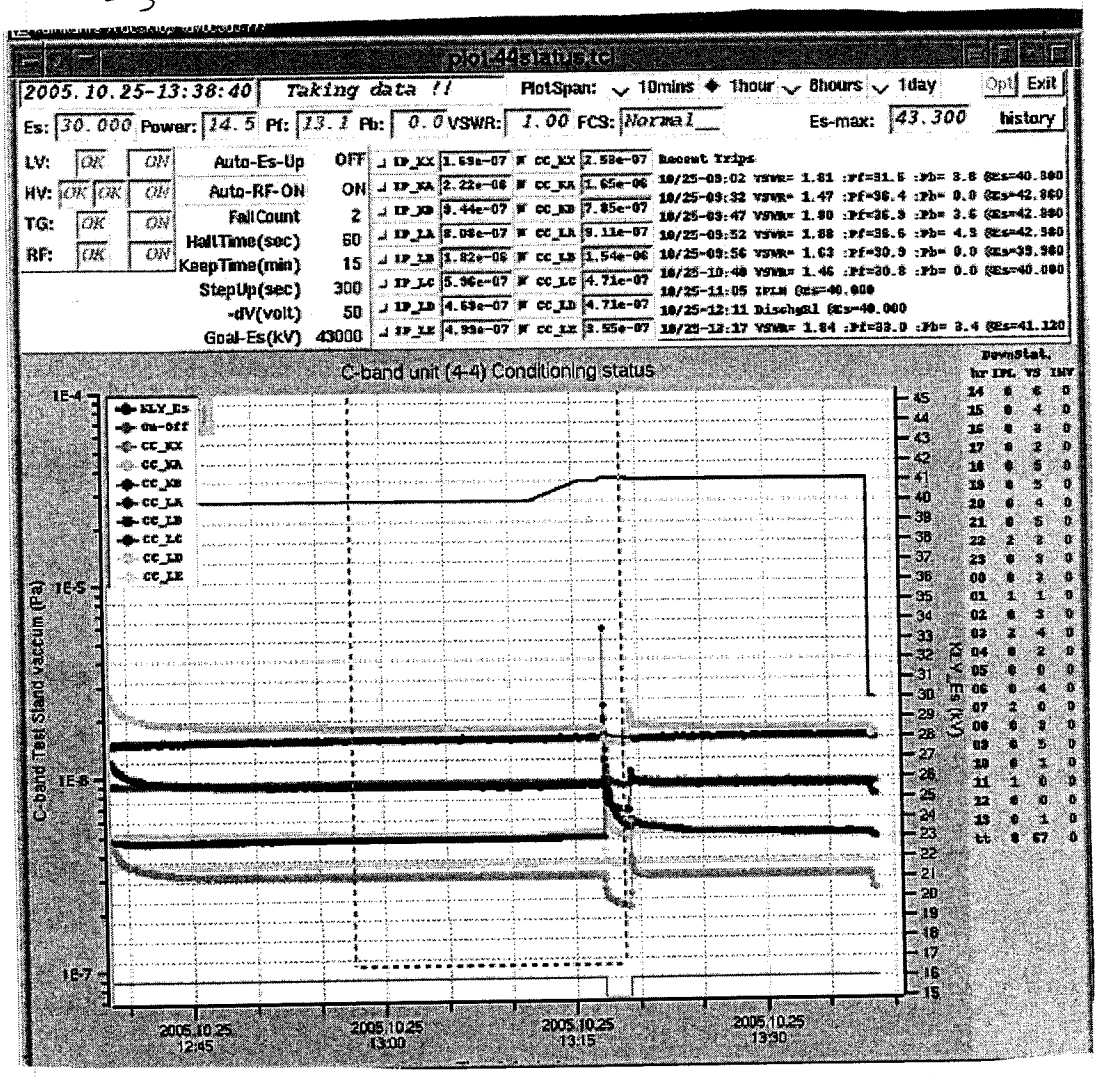
a = 3.20461 +/- .01884 c = 129.060 +/- .33507 d = .12880 +/- .01329




Function = (d+(a Cos[(.0174532925 (-180+x+(-c)))]))

Hard Copy

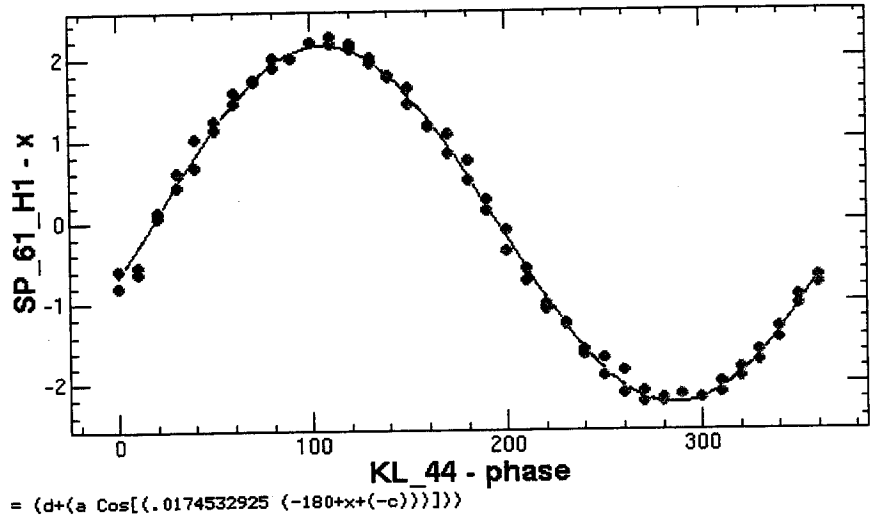
13:38 $E_s$ = 30KV DELAY 2657 ⇒ 57.3MV




File Edit Window 10/25/2005 13:42:02 Help

ChiSquare = .70182 Goodness = .47768

a = 2.20348 +/- .01654 c = -2953.6 +/- .42080 d = -.06087 +/- .01157




Function = (d+(a Cos[(.0174532925 (-180+x+(-c)))]))