

File Edit Window 01/10/2005 16:12:44 Help

Wire Scan Optics Calculate Matching

X phase space at Wire A

X phase space at Matching Point

Results of Measurement

β_x @BM611 [m] :	66.254	β_y @BM611 [m] :	18.185
α_x @BM611 :	2.314	α_y @BM611 :	-1.174
c_x [m] :	7.7964E-6	c_y [m] :	1.8688E-6
γ_x [n.mm.mrad] :	1220.572	γ_y [n.mm.mrad] :	292.730
Bmag x :	1.510	Bmag y :	1.084
cBmag x :	1.2344E-7	cBmag y :	2.1447E-8
ycBmag x :	1932.458	ycBmag y :	335.764

Optics Plot

Y phase space at Wire A

Y phase space at Matching Point

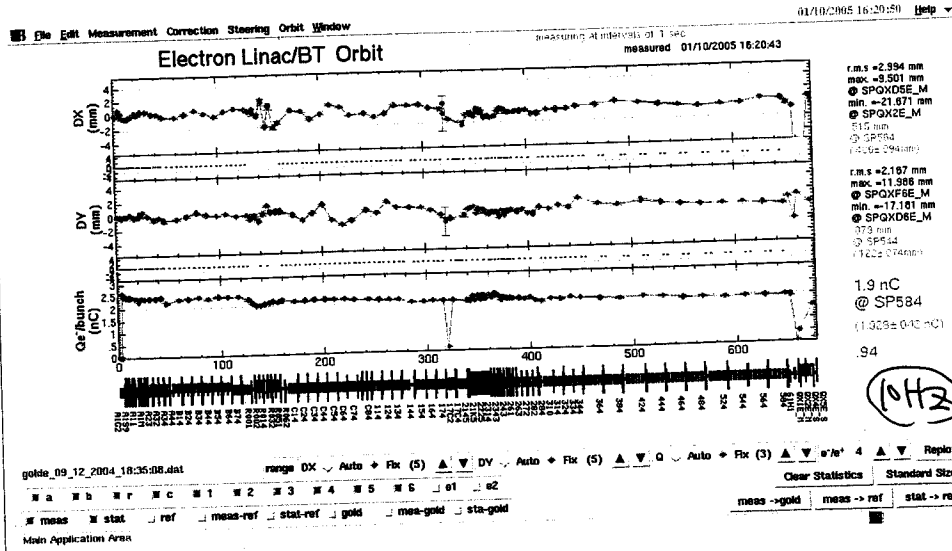
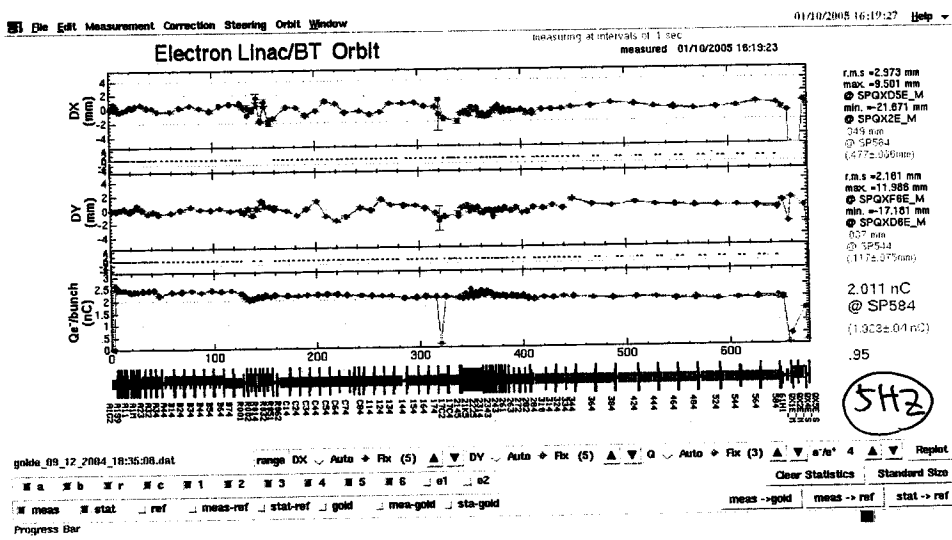
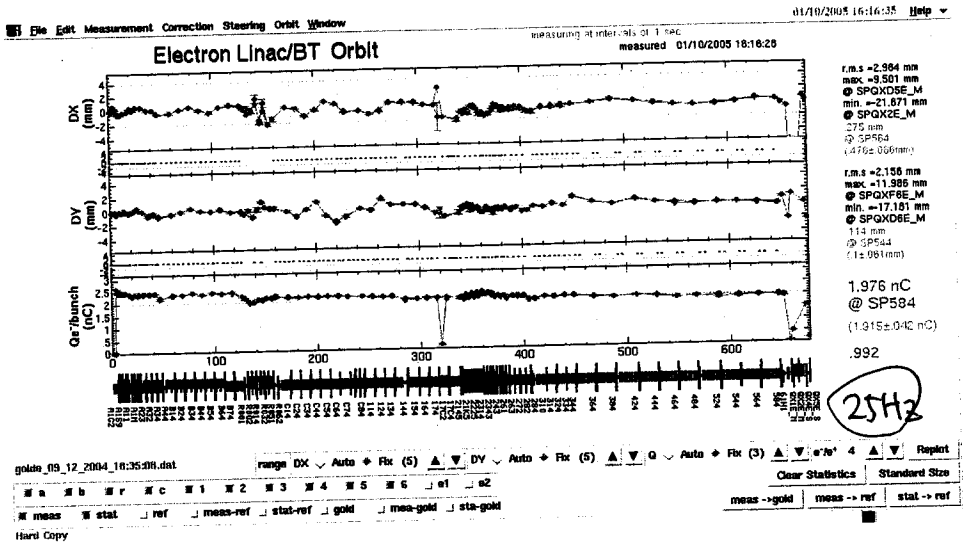
Wire Selection

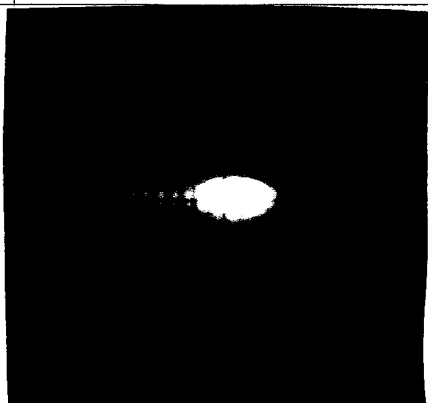
3-wire:ABC
 3-wire:ABD
 3-wire:ACD
 3-wire:BCD
 4-wire:ABCD

Err(meas), no n: 0
 Err(opt) (%): 0

Calculate Optics
 Save All Parameters

Qmag values were SAVED to ddata1/KEKB/Wire/LINAC/sector5/KEKBdata/Qvalue/qname_2005_1_10_16_0_24.dat

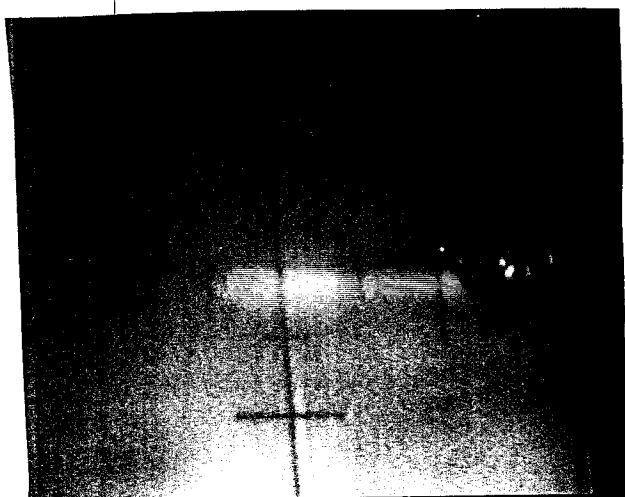




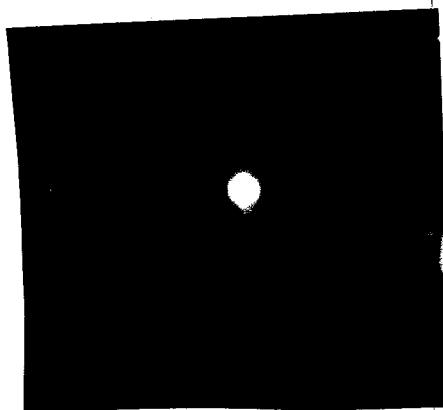
RU-31



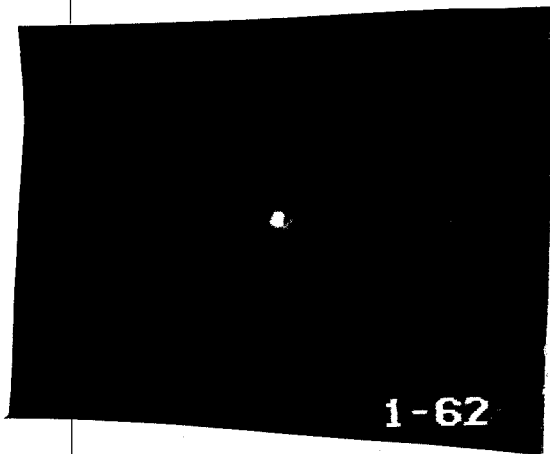
A1



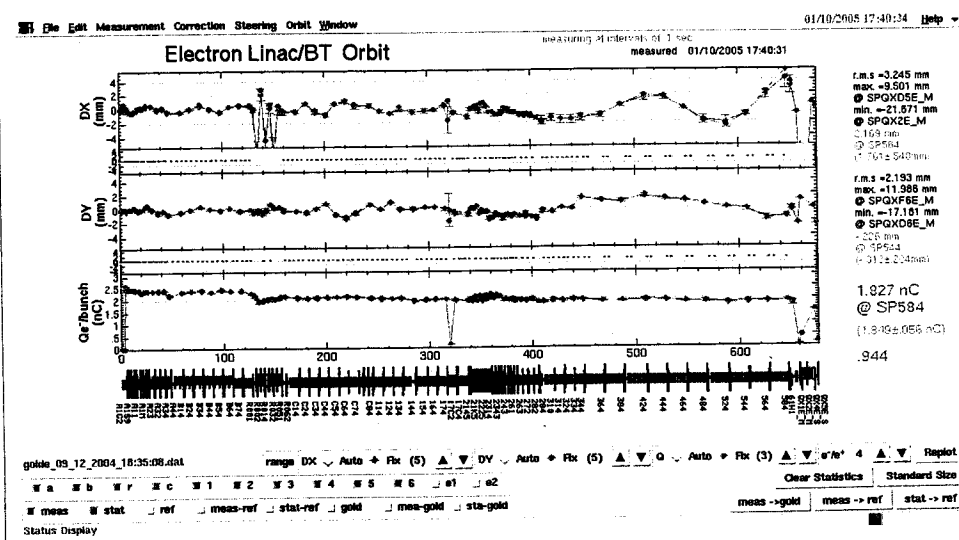
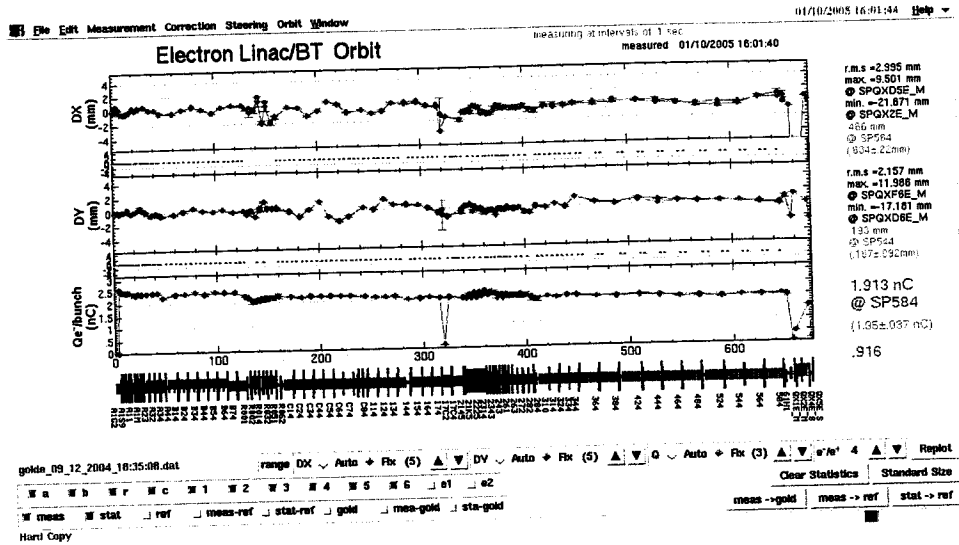
61-A2



61-A3



61-A4



18:00

Energy 変動の原因は、kly-BS の drive AMP (WEC製) の出力変動におよものと判明 (矢野の調査の結果)。

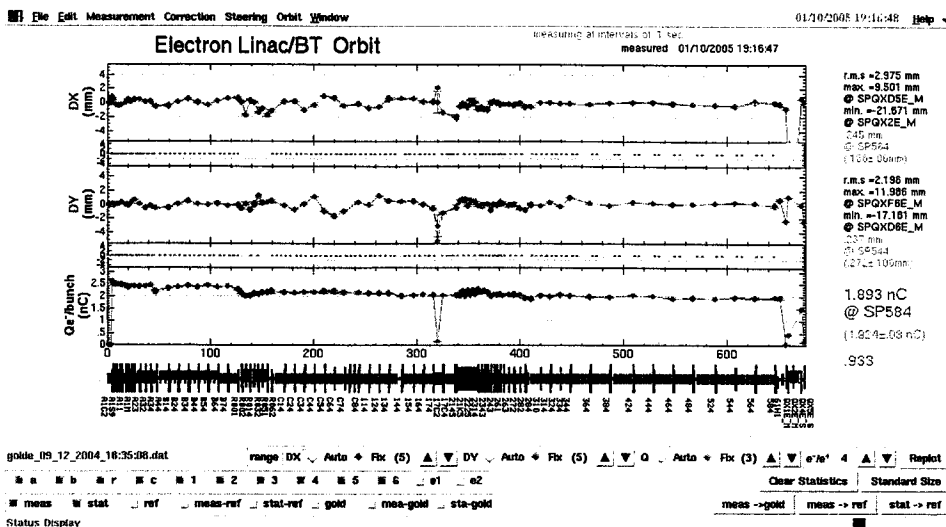
→ AMP 交換お。 → 問題は、この前段の AMP にありと判明
→ 前段 AMP 交換お。
Pre AMP (Row)

18:50

矢野の作業終了。 → BS の Cresce Phase 採

19:20

Channeling T-の取り再開



22:20

ビーム電荷量を増やす

Gun Bias	φ	Q83	Q10
249 V	φ7D1	1.9 nC	2.5 nC
225 V	φ7ΦΦ	2.31	3.3 nC
200 V	φ645	2.64	4.0 nC

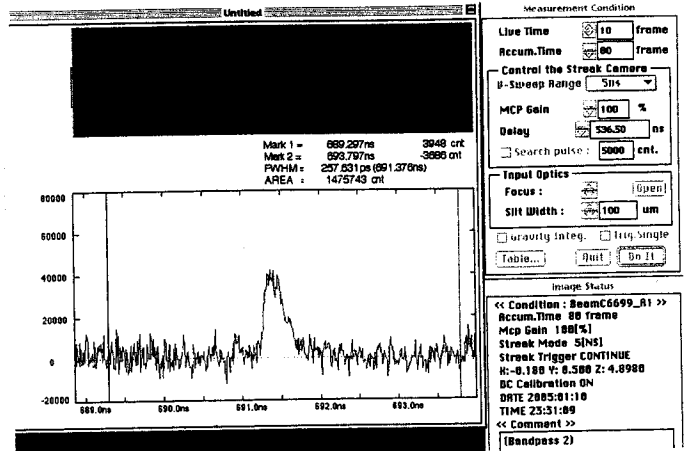
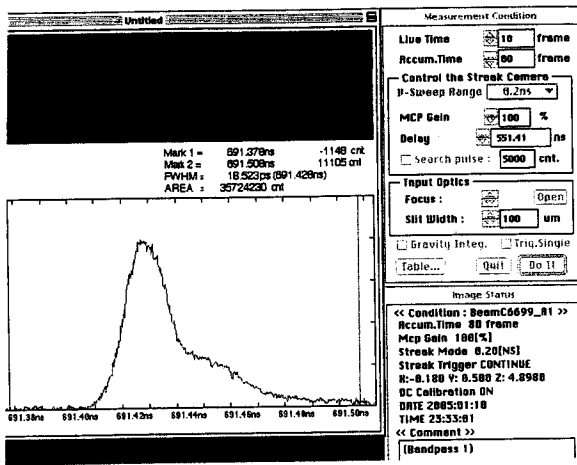
φSB_A.B 95.5 → 94.0 Δφ = -1.5°
 φSP_C.4 Δφ = -1.5°
 ↓
 156 V (D2表) 2.059 nC 5.1 nC

φSB_A.B 94.0 → 92.0 ↓ Δφ = -2.0°

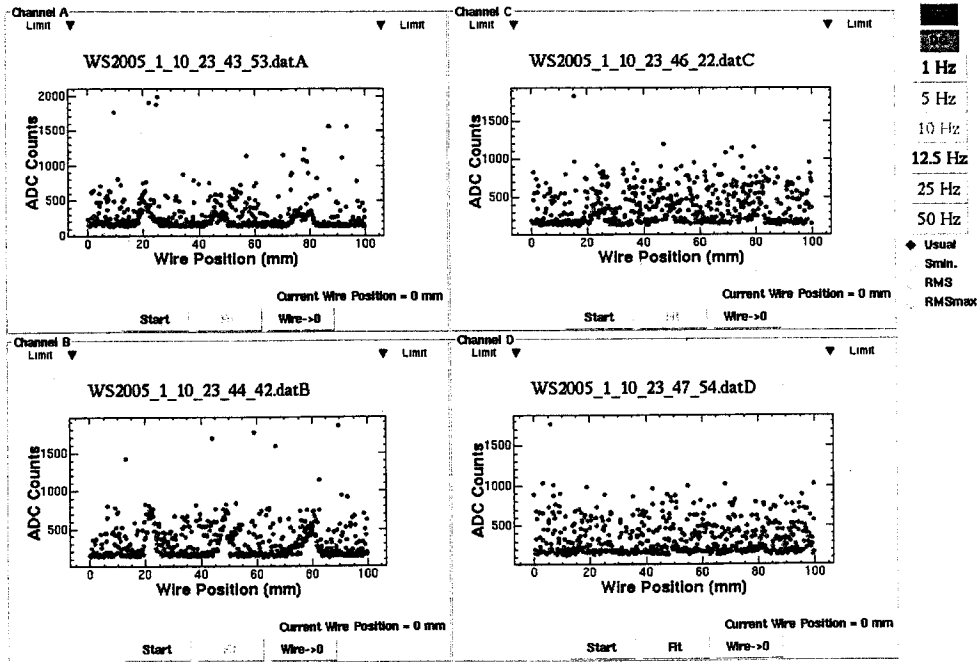
軌道補正 3.4 nC < 5.1 nC

SC-G1-A1 上の
 Wakeの層が変な形

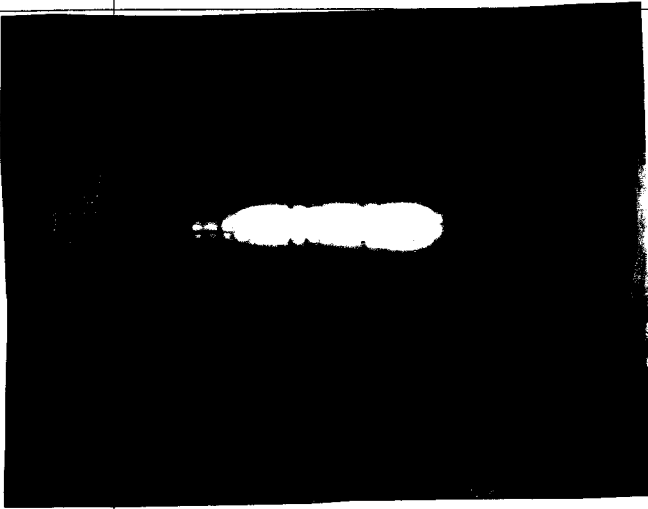
3nC⁻ - 4 T⁻ 9



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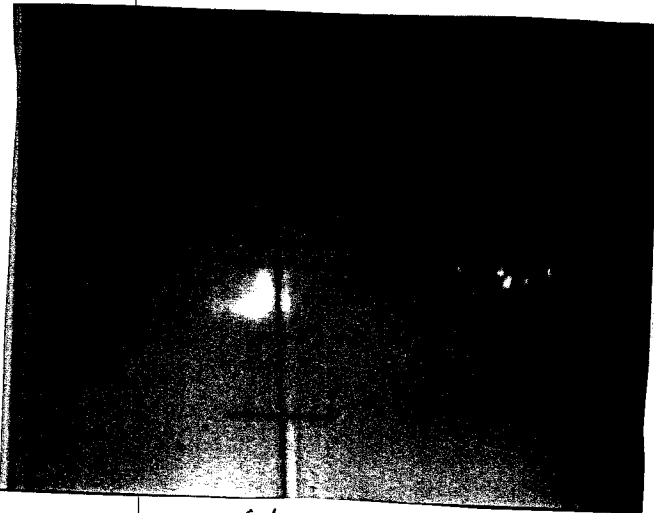
Qinag values were SAVED to /data1/KEKB/Wire/IHAC/sectors/KEKB/data/Qvalue/qname_2005_1_10_23_41_27.dat0



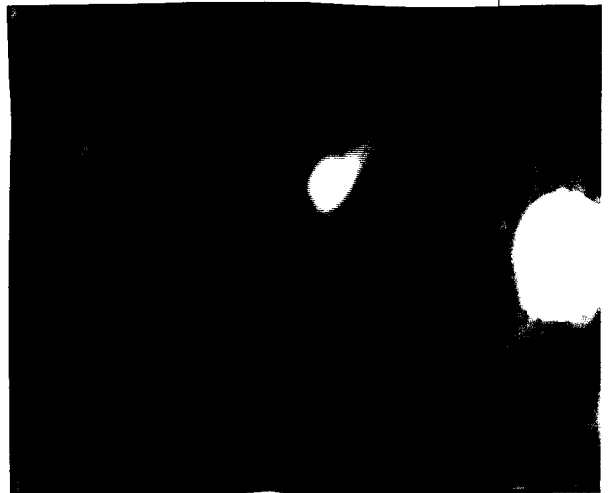
R0-31



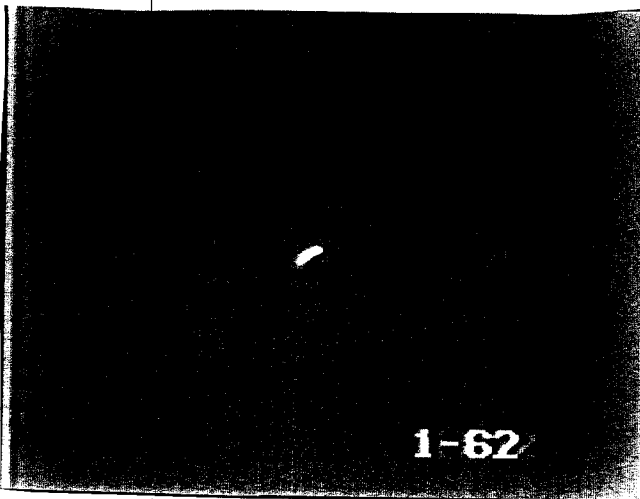
61-A1



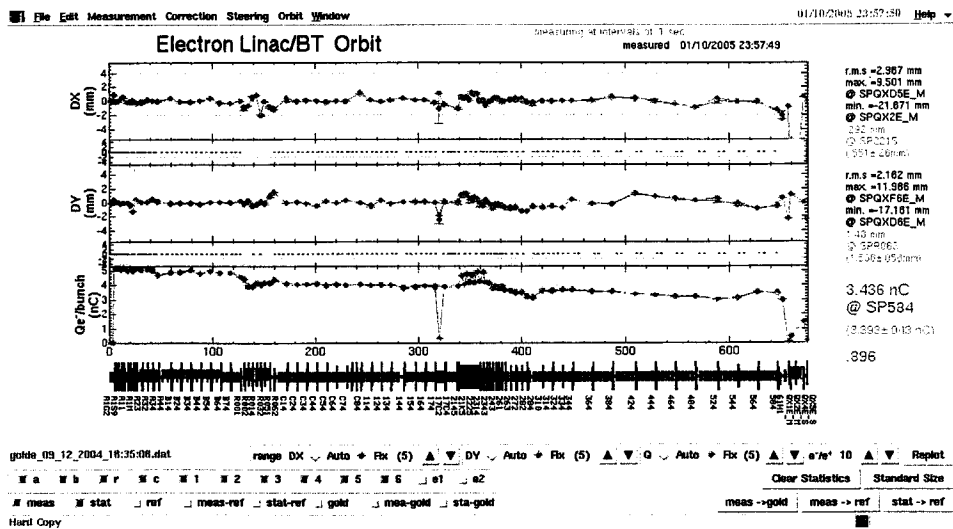
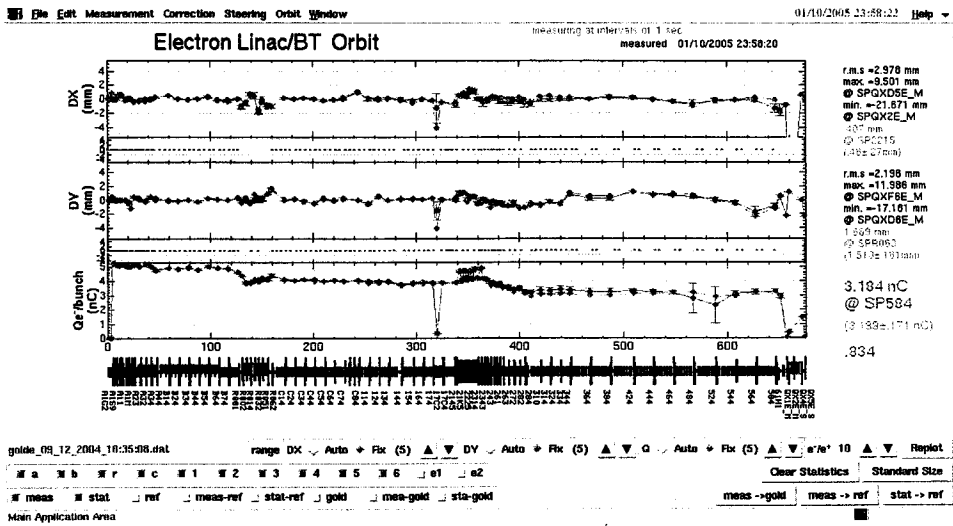
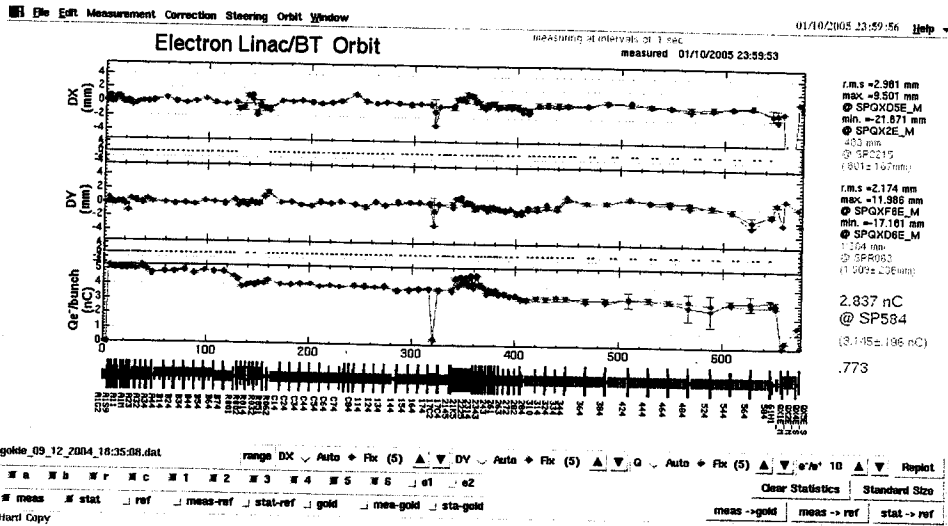
61-A2



61-A3



61-A4



06:30 BT : data 3886.all { channeling 20050111(3nc) }
Phase : data 1502, phase.all { ' }
Acc-Mode : data 241. mode.all { ' }
AI Gun : 050111-3nc
11E-7"