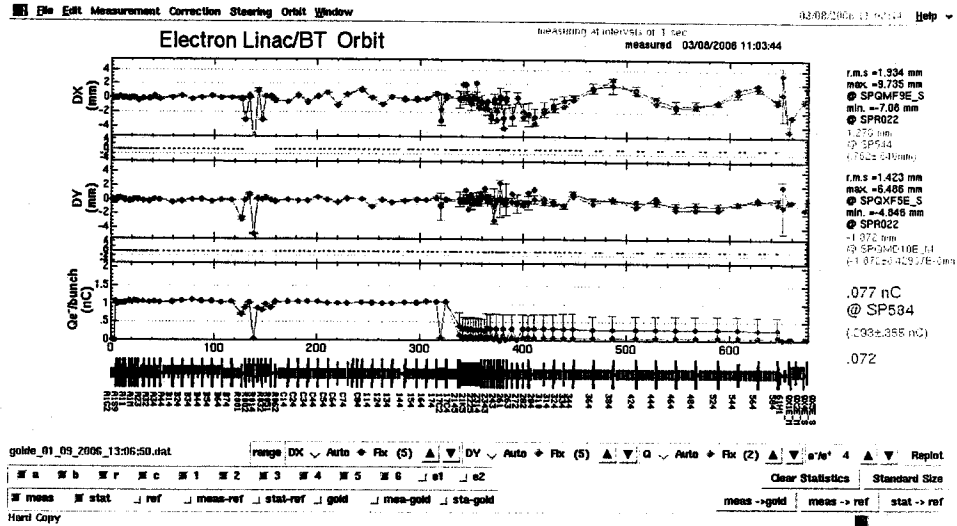
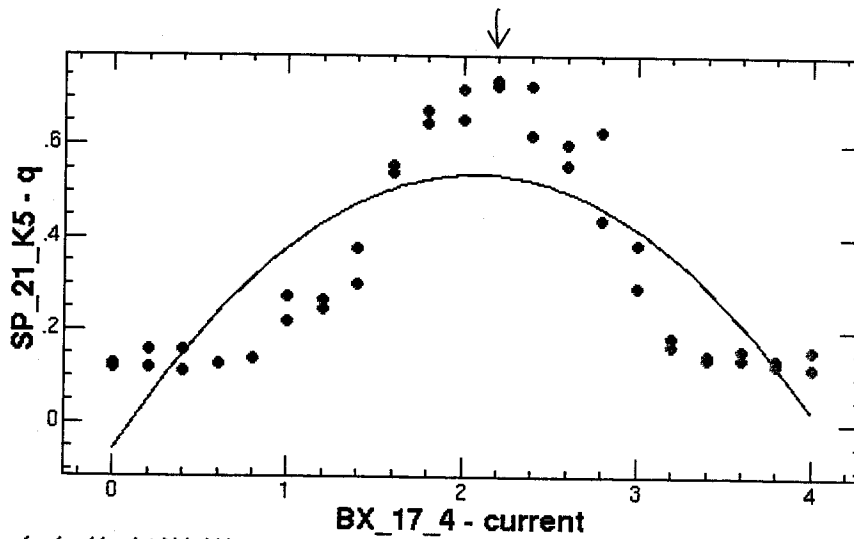
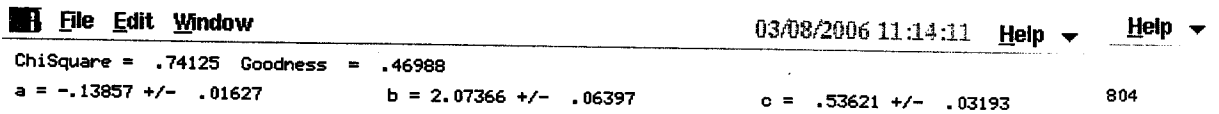


スキャナ=あり BX-17-4 BX-17-4
 0.851 A -0.620 A



① BX-17-4



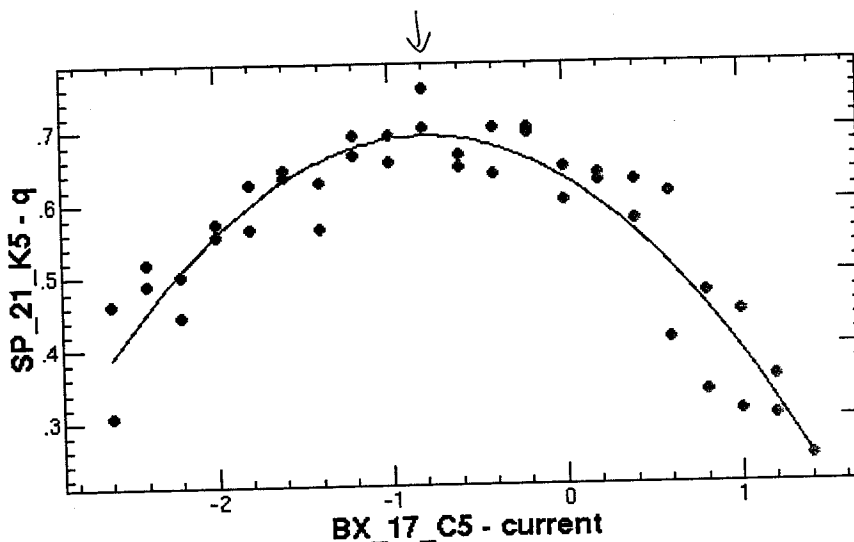
BX-17-4 = 0.851 → 2.2 A

② BX_17_C5

File Edit Window

03/08/2006 11:19:07 Help

ChiSquare = .10151 Goodness = .46988
 a = -.09310 +/- .00602 b = -.79290 +/- .03707 c = .69225 +/- .01173



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

BX_17_C5 = -0.620 → -0.80 A

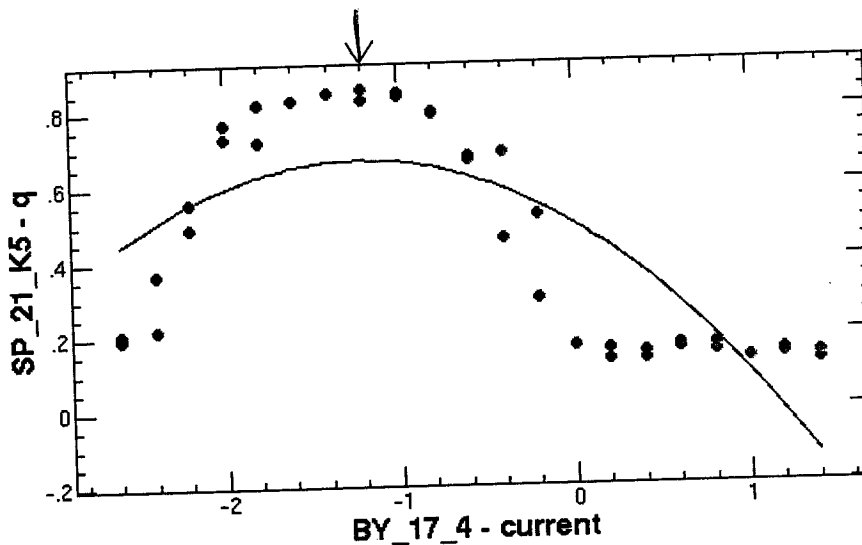
⑦ BY_17_4

-0.675 A

File Edit Window

03/08/2006 11:23:30 Help

ChiSquare = 1.42027 Goodness = .46988
 a = -.11731 +/- .02252 b = -1.2217 +/- .15809 c = .66889 +/- .04108



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

-1.2 A

④ BY_17_C5

File Edit Window

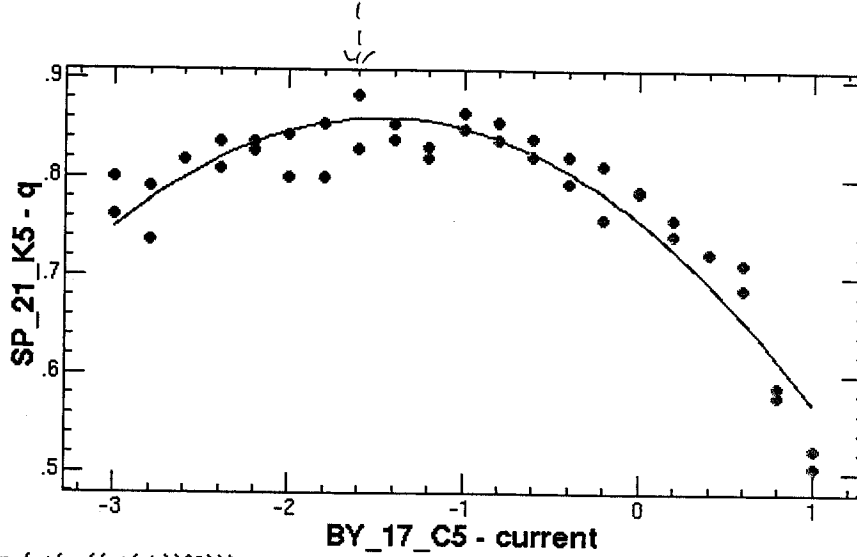
03/08/2006 11:28:02 Help

ChiSquare = .03521 Goodness = .46988

a = -.04776 +/- .00355

b = -1.4706 +/- .05318

c = .86042 +/- .00665



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

⑤ BX_17_4

File Edit Window

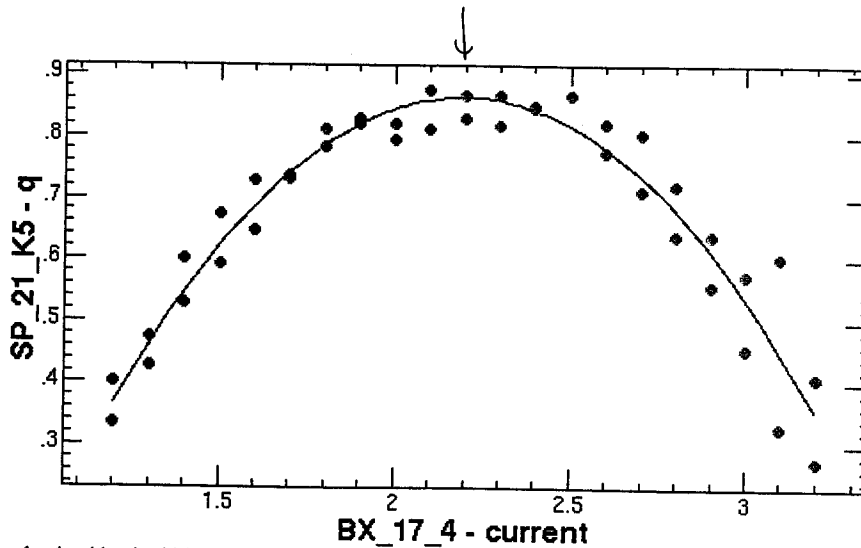
03/08/2006 11:33:18 Help

ChiSquare = .09759 Goodness = .46988

a = -.50331 +/- .02362

b = 2.19352 +/- .01267

c = .86352 +/- .01160



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

2.2A

⑥ BX-17_C5

File Edit Window

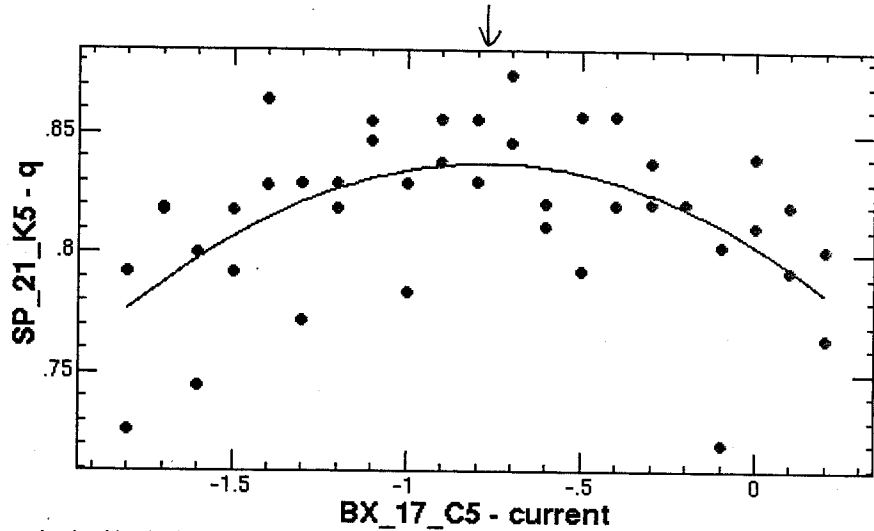
03/08/2006 11:37:13 Hel

ChiSquare = .03390 Goodness = .46988

a = -.05759 +/- .01392

b = -.77029 +/- .06563

c = .83736 +/- .00683



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

BX-17_C5 -0.77 A

⑦ BY-17_4

File Edit Window

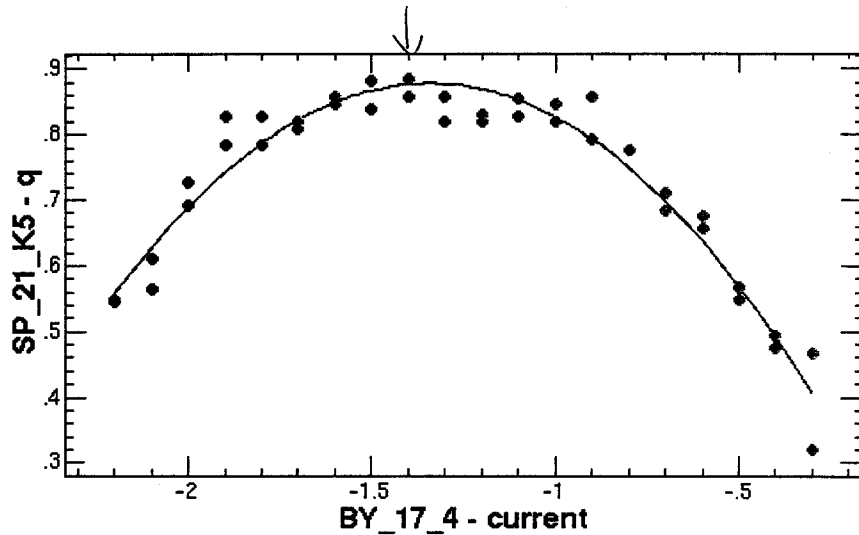
03/08/2006 11:48:13 He

ChiSquare = .04671 Goodness = .46907

a = -.43540 +/- .01896

b = -1.3430 +/- .01190

c = .87804 +/- .00837



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

BY-17_4 -1.40 A

11:56

⑧ BY17C5

File Edit Window

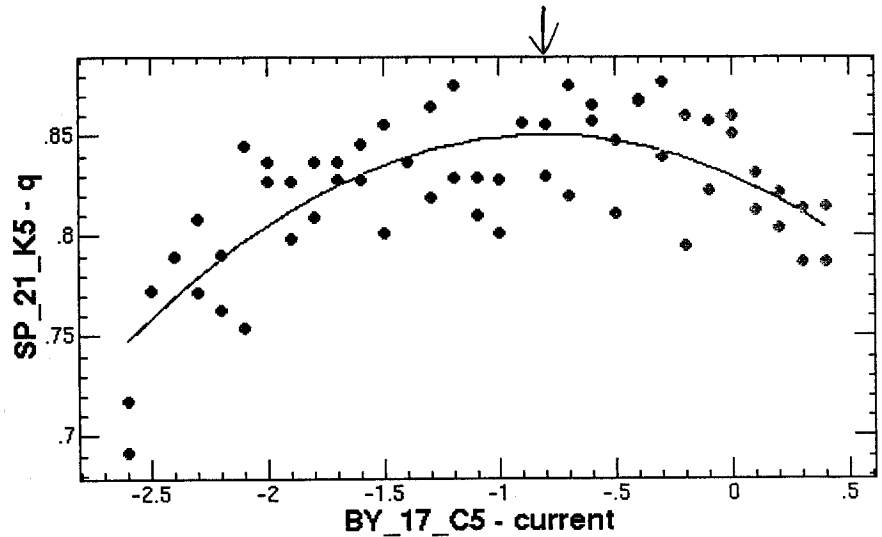
03/08/2006 11:57:53 Help

ChiSquare = .03400 Goodness = .47551

a = -.03198 +/- .00427

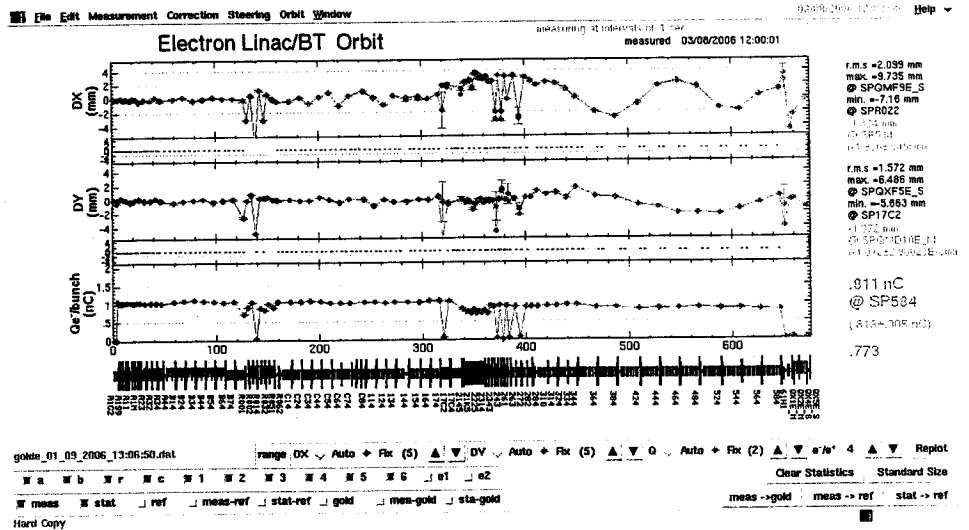
b = -.80801 +/- .06602

c = .85057 +/- .00443

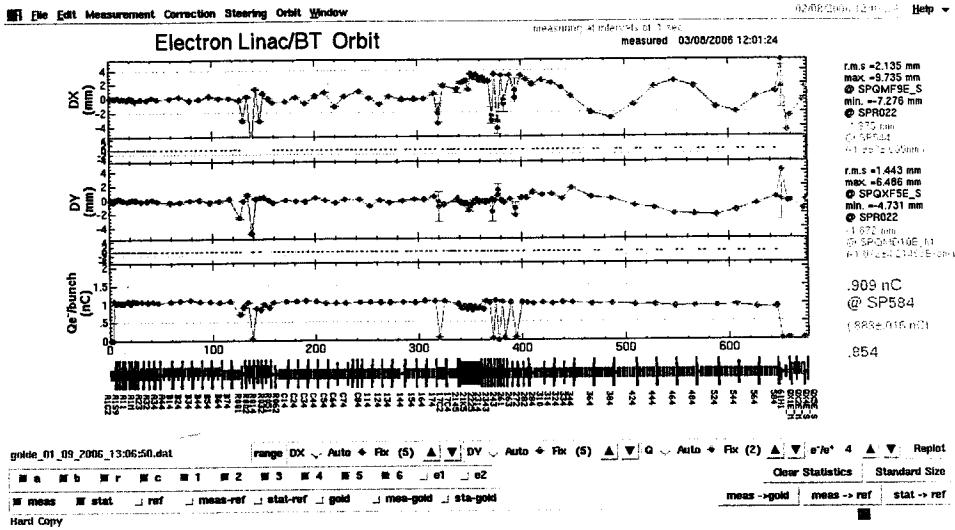


- 0.808 A

軌道 (タ-ゲットIN)

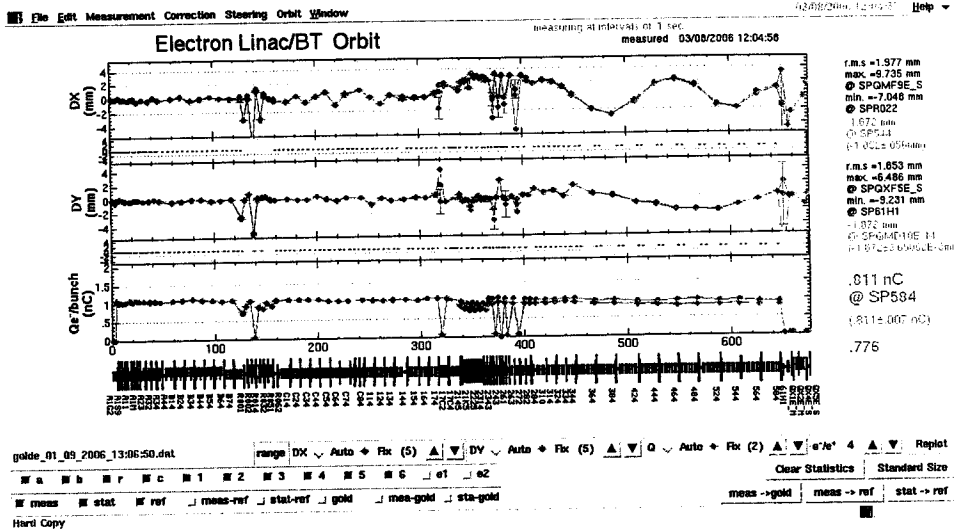


軌道 (A-バット OUT)



→ ref軌道として
こ-フ

軌道の比較データ



bump

↓以降
今後の課題

- ① Inc e⁻ target 以降の Orbit をまたぐに
- ② Inc e⁻ 大西 optics での target 位置へ戻すように
- ③ Inc e⁻ target 以降を et optics にする
- ④ Dec e⁻ target に当り Magnet は KEKBE + target bumper
- ⑤ Dec e⁻ での target 位置での et optics へ戻す

```

| bt data (save) 09:13 03/06/06
|
| MAGNET NAME      DAC /ADC      DAC /ADC      DAC-REF      ADC-REF
| QF_C8_4          7.783/7.671  7.783/7.612  0.0          0.059
| BX_17_4          0.851/0.884  2.199/2.310  -1.348       -1.426
| BY_17_4          -0.675/-0.723 -1.400/-1.484 0.725        0.761
| BX_17_C5         -0.620/-0.635 -0.767/-0.791 0.147        0.156
| BY_17_C5         -1.099/-1.123 -0.806/-0.820 -0.293       -0.303
| BM_61_1/6       -366.300/-368.652 -0.000/-0.366 -366.3       -368.286
| BM_61_2/3/4/5  375.458/376.221 0.000/0.122  375.458     376.099
| BS_61_1          0.002/0.000  -1.199/-1.201 1.201        1.201
| BS_61_2          -3.104/-3.105  0.002/0.000  -3.106       -3.105
| BS_61_5          -3.104/-3.105  0.002/0.000  -3.106       -3.105
| BS_61_6          0.002/0.000  1.302/1.299  -1.3         -1.299

```

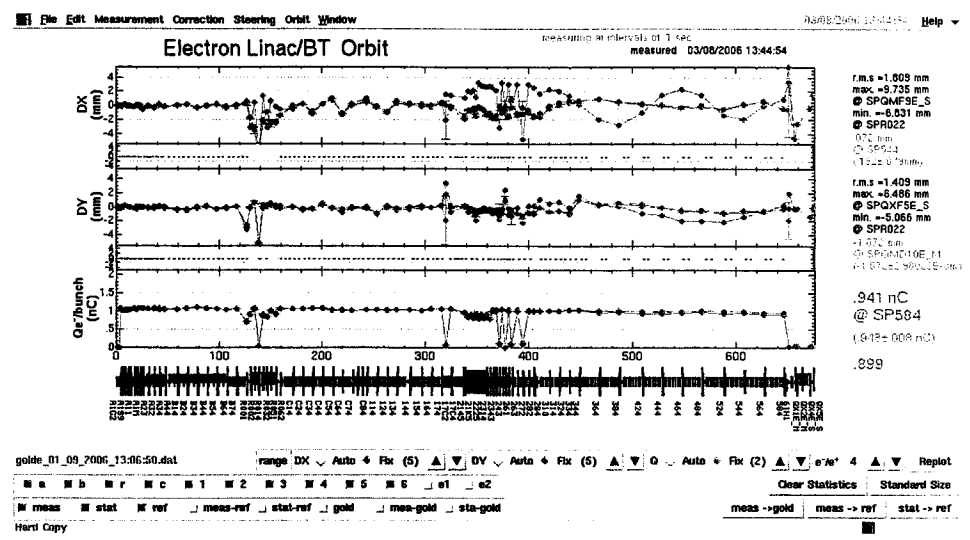
Close

! ^{delay} Gain feedback

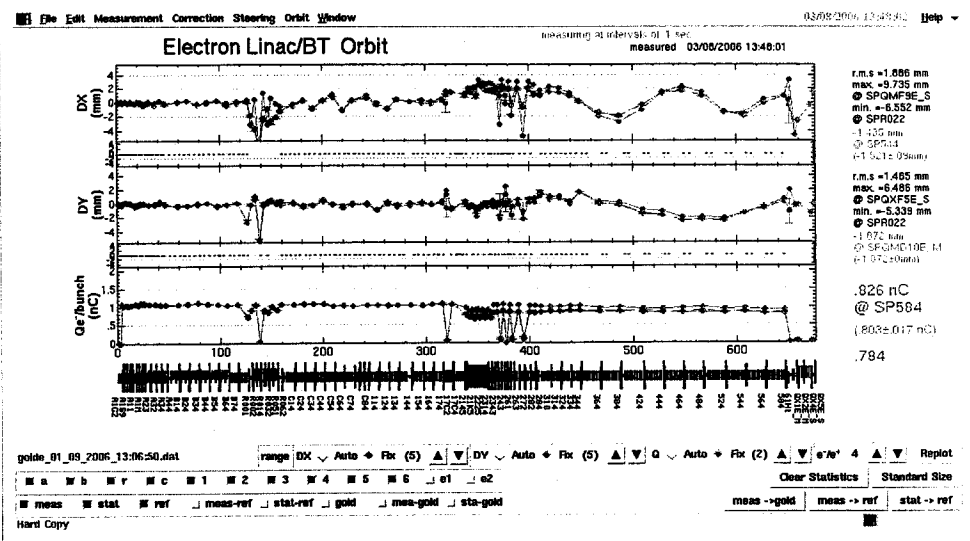
戻すのを待たずに target を入れていると
et モードの目標値に向かおうとして
→ J-ac での透過率が半減する

これ以降は SC-R0-31 での 0/E 確認が必要。ただし、
 $\Delta \phi_{SB-A} = -5.5^\circ$ での 0/E 最低。
 $\Delta \phi_{SB-B} = -5.5^\circ$

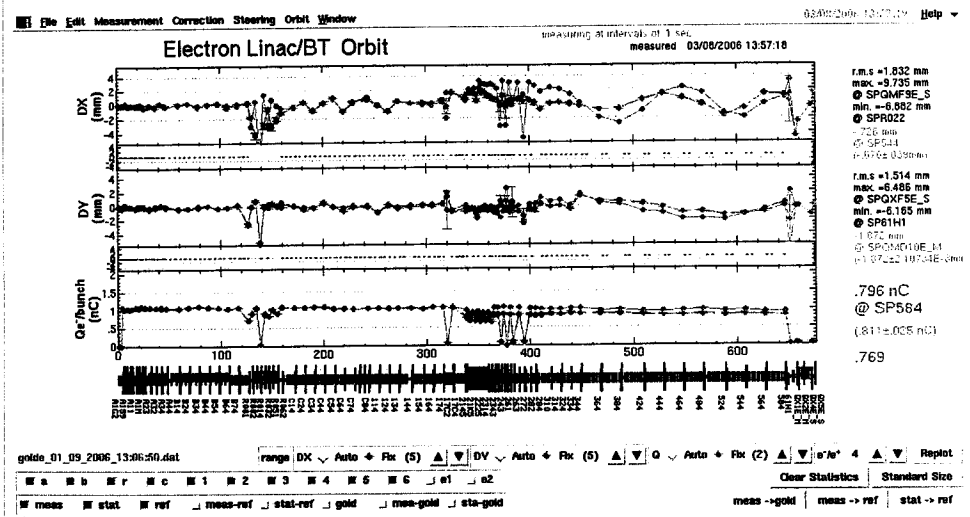
通常の KEKB e⁻ 束 (target OUT) の軌道



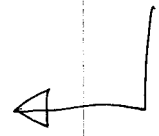
Target孔を通過した状態の軌道



① target 以降の軌道は打撃は



BX-21-K5
= -1.527 → -3.672
BY-22-31
= 4.499 → 3.299




```
poplar[1001]% spdataq -12
```

前々々 13:48の軌道の
時のデータ

```
CORRECT>spdata -12 (y|n|e|a)? yes
```

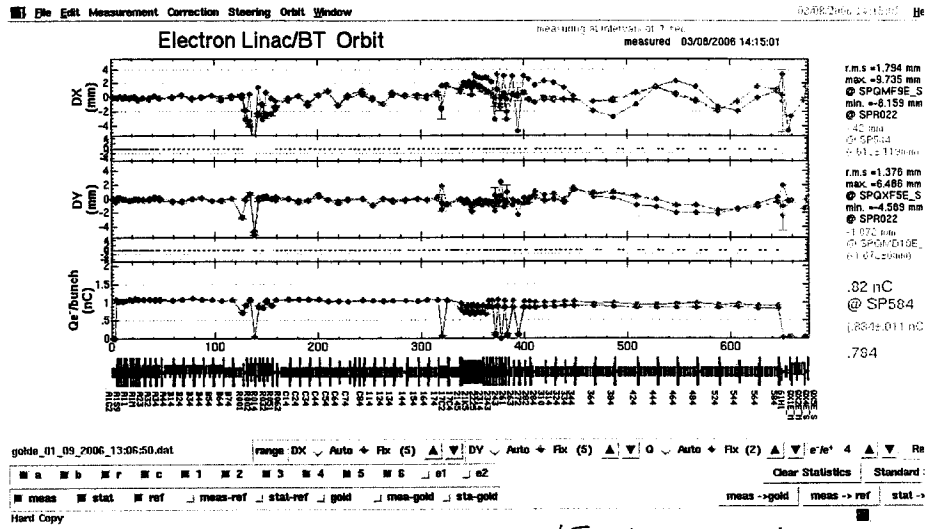
```
BEAM POSITION MONITOR DATA 2006-03-08 13:48:50
```

	X(mm)	Y(mm)	I(nC)	dX(mm)	dY(mm)	dI(nC)
SP_C8_4	0.578	-0.182	1.036	0.129	0.059	0.005
SP_11_4	-0.297	-0.920	1.028	0.095	0.065	0.006
SP_12_4	-0.958	0.280	1.024	0.146	0.091	0.008
SP_13_4	0.537	-0.097	1.025	0.143	0.060	0.009
SP_14_4	0.231	0.141	1.035	0.191	0.075	0.007
SP_15_4	0.278	0.220	1.017	0.122	0.059	0.007
SP_16_4	0.150	-0.064	1.066	0.021	0.098	0.013
SP_17_4	0.490	0.096	1.060	0.131	0.126	0.011
SP_17_C2	-2.196	0.323	0.075	1.598	1.599	0.006
SP_17_C4	1.434	-0.961	1.050	0.215	0.112	0.011
SP_21_K5	0.923	-0.230	0.747	0.314	0.194	0.031
SP_22_15	1.778	-0.496	0.670	0.111	0.060	0.011
SP_22_25	1.703	-0.431	0.692	0.231	0.192	0.016
SP_22_34	1.883	-0.440	0.640	0.142	0.089	0.013
SP_22_44	0.868	-1.169	0.728	0.252	0.176	0.021
SP_23_14	2.621	-0.534	0.639	0.166	0.170	0.012
SP_23_24	2.111	-0.074	0.688	0.263	0.091	0.018
SP_23_33	2.411	0.179	0.649	0.109	0.081	0.008
SP_23_43	1.849	-0.032	0.689	0.165	0.125	0.017
SP_24_1	1.958	0.136	0.644	0.174	0.203	0.003
SP_24_2	1.430	0.218	0.828	0.211	0.144	0.018
SP_24_3	1.634	0.083	0.807	0.246	0.140	0.014
SP_24_4	0.508	0.744	0.128	1.349	1.079	0.010
SP_26_1	2.505	0.347	0.843	0.269	0.141	0.024
SP_26_2	-1.127	-0.347	0.007	1.858	1.181	0.000
SP_26_3	2.151	0.316	0.813	0.238	0.148	0.019
SP_26_4	-0.799	-1.114	0.125	1.410	0.858	0.012
SP_27_2	2.164	0.628	0.805	0.239	0.095	0.014
SP_27_4	-0.176	-0.108	0.127	0.914	1.518	0.006
SP_28_2	2.153	0.777	0.805	0.209	0.110	0.014
SP_28_4	1.278	0.783	0.799	0.242	0.179	0.020

```
poplar[1002]% █
```

② 大西 optics 2

まず mag param SAVE → ~~data4131.all~~ (大西 optics)
 ↓
 大西君の QM 誌の ~~図表~~ L54 ~ L74 あたり 参照してください



大西 optics 2

File Edit Window

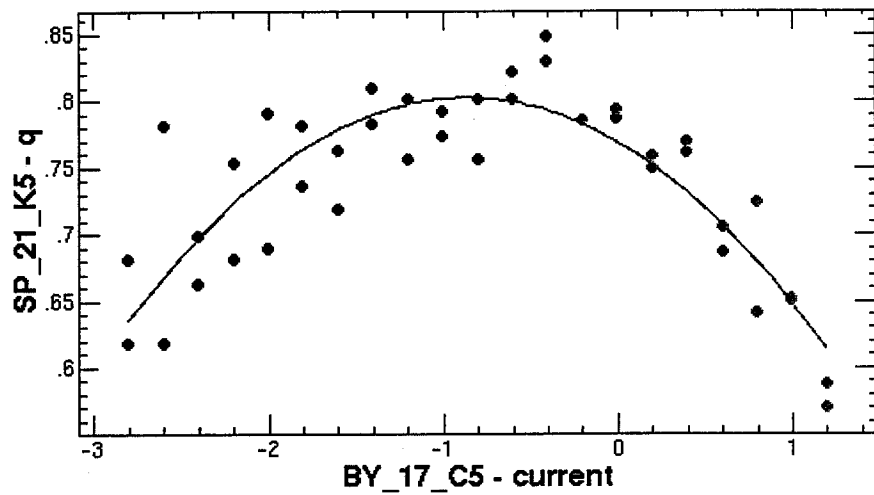
03/08/2006 14:38:03 Hel41:0

ChiSquare = .05141 Goodness = .46988

a = -.04443 +/- .00429

b = -.86750 +/- .05240

c = .80240 +/- .00841



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