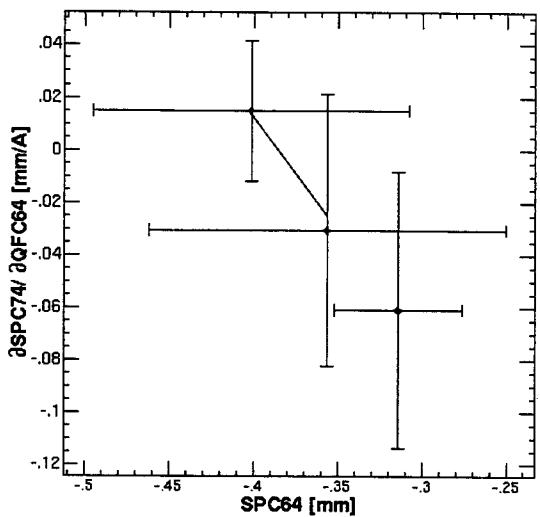


File Edit Window



12/05/2007 15:30:10 Help

Condition
 BPM to be Calibrated :
 SPC64

Direction :
 ◆ Horizontal Vertical

Used Components :
 BPM : SPC64
 Steering : {"SXC61",1}
 from -1
 to 1
 number 3
 Q magnet: QFC64
 from -1
 to 1
 number

next remem. save
 GO READ

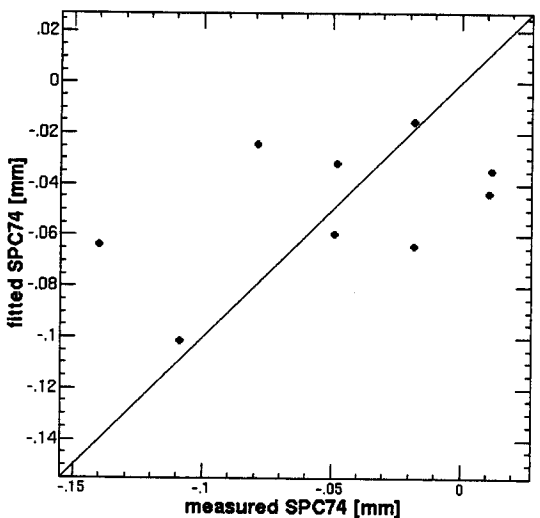
Display
 BPM : SPC74
 Steering step : Fit

Result
 When the beam is at the Q center :
 BPM reading [mm]: -0.34699
 error [mm]: .56337
 Last BPM taken into account :
 SP134
 rel. curr. thresh. : .7

Fit Chk I Save

File Edit Window

residual = .064 mm



12/05/2007 15:30:10 Help

Condition
 BPM to be Calibrated :
 SPC64

Direction :
 ◆ Horizontal Vertical

Used Components :
 BPM : SPC64
 Steering : {"SXC61",1}
 from -1
 to 1
 number 3
 Q magnet: QFC64
 from -1
 to 1
 number

next remem. save
 GO READ

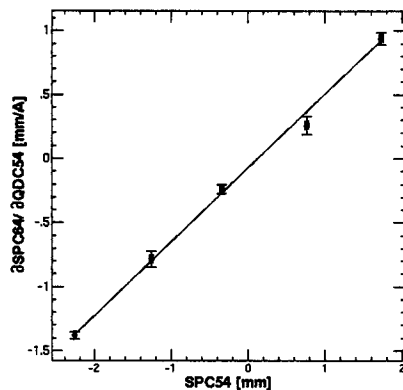
Display
 BPM : SPC74
 Steering step : Fit

Result
 When the beam is at the Q center :
 BPM reading [mm]: -0.34699
 error [mm]: .56337
 Last BPM taken into account :
 SP134
 rel. curr. thresh. : .7

Fit Chk I Save

SPC74	0.389	23.681	(0.064)
SPC84	-0.369	0.711	(0.225)
SP114	-0.343	1.116	(0.471)
SP124	-0.308	1.869	(0.619)
SP134	-0.003	3.447	(0.316)

File Edit Window



Hard Copy

12/07/2002 11:04:28 Help

Condition
BPM to be Calibrated :
SPC54

Direction :
Horizontal Vertical

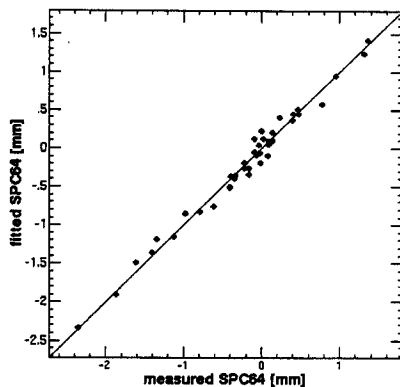
Used Components :
BPM : SPC54
Steering : ((BXC51,1))
from -1
to 1
number 5
Q magnet: QDC54
from -1
to 1
number
next remem. save
GO READ

Display
BPM : Steering step :
SPC54 Fit

Result
When the beam is at the Q center :
BPM reading [mm]: .13206
error [mm]: .00654
Last BPM taken into account :
SP124
rel. curr. thresh. : .7
Fit Ok I Save

File Edit Window

residual = .110 mm



Hard Copy

12/07/2002 11:04:31 Help

Condition
BPM to be Calibrated :
SPC54

Direction :
Horizontal Vertical

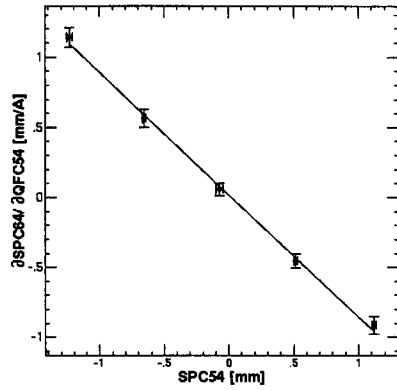
Used Components :
BPM : SPC54
Steering : ((BXC51,1))
from -1
to 1
number 5
Q magnet: QDC54
from -1
to 1
number
next remem. save
GO READ

Display
BPM : Steering step :
SPC54 Fit

Result
When the beam is at the Q center :
BPM reading [mm]: .13206
error [mm]: .00654
Last BPM taken into account :
SP124
rel. curr. thresh. : .7
Fit Ok I Save

SPC64	0.089	0.012	(0.110)
SPC74	0.172	0.011	(0.139)
SPC84	0.209	0.015	(0.148)
SP114	0.147	0.047	(0.108)
SP124	0.016	0.017	(0.110)

File Edit Window

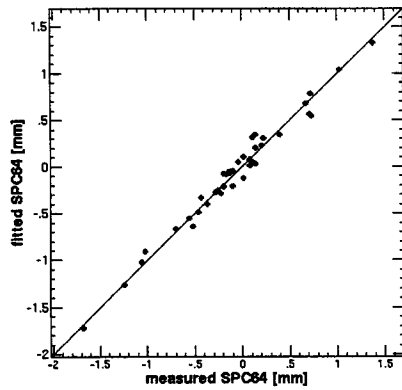


Hard Copy

Condition
 BPM to be Calibrated :
 SPC54
 Direction :
 Horizontal Vertical
 Used Components :
 BPM : SPC54
 Steering : ((BXC51,1))
 from -0.5
 to 0.7
 number 5
 Q magnet: QFC54
 from -1
 to 1
 number 6
 next remem. save
 GO READ
 Display
 BPM : Steering step :
 SPC54 FIT
 Result
 When the beam is at the Q center :
 BPM reading [mm]: .02937
 error [mm]: .00321
 Last BPM taken into account :
 SP124
 rel. curr. thresh. : .7
 Fit Ok | Save

File Edit Window

residual = .094 mm

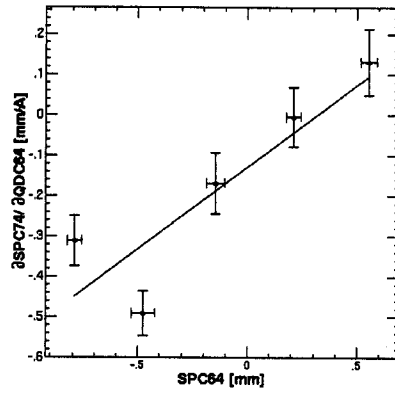


Hard Copy

Condition
 BPM to be Calibrated :
 SPC54
 Direction :
 Horizontal Vertical
 Used Components :
 BPM : SPC54
 Steering : ((BXC51,1))
 from -0.5
 to 0.7
 number 5
 Q magnet: QFC54
 from -1
 to 1
 number 6
 next remem. save
 GO READ
 Display
 BPM : Steering step :
 SPC54 FIT
 Result
 When the beam is at the Q center :
 BPM reading [mm]: .02937
 error [mm]: .00321
 Last BPM taken into account :
 SP124
 rel. curr. thresh. : .7
 Fit Ok | Save

SPC64	0.027	0.006	(0.094)
SPC74	0.040	0.006	(0.130)
SPC84	0.051	0.007	(0.134)
SP114	0.096	0.017	(0.084)
SP124	-0.018	0.007	(0.080)

File Edit Window



Hard Copy

12-07-2003 11:14:25 Help

Condition
BPM to be Calibrated :
SPC64

Direction :
Horizontal Vertical

Used Components :
BPM : SPC64
Steering : {{('SXC61',1)}}
from -1.5
to 2
number 5
Q magnet: QDC64
from -1
to 1
number 8

next remem. save
GO READ

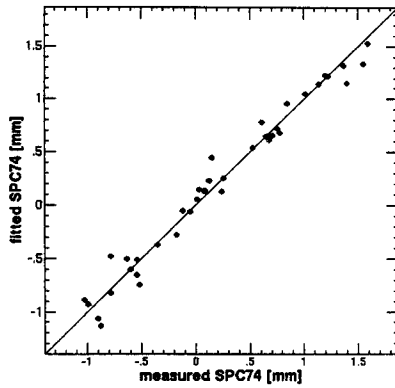
Display
BPM : Steering step :
SPC74 Fit

Result
When the beam is at the Q center :
BPM reading [mm]: .04086
error [mm]: .00524
Last BPM taken into account :
SP134
rel. curr. thresh. : .7

Fit Ok! Save

File Edit Window

residual = .132 mm



Hard Copy

12-07-2003 11:14:32 Help

Condition
BPM to be Calibrated :
SPC64

Direction :
Horizontal Vertical

Used Components :
BPM : SPC64
Steering : {{('SXC61',1)}}
from -1.5
to 2
number 5
Q magnet: QDC64
from -1
to 1
number 8

next remem. save
GO READ

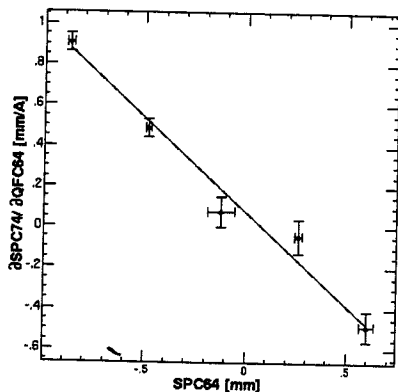
Display
BPM : Steering step :
SPC74 Fit

Result
When the beam is at the Q center :
BPM reading [mm]: .04086
error [mm]: .00524
Last BPM taken into account :
SP134
rel. curr. thresh. : .7

Fit Ok! Save

SPC74	0.078	0.016	(0.132)
SPC84	0.017	0.009	(0.156)
SP114	0.048	0.008	(0.094)
SP124	-0.005	0.024	(0.098)
SP134	0.107	0.021	(0.142)

File Edit Window



Hard Copy

12/07/2003 11:22:37 Help

Condition
 BPM to be Calibrated :
 SPC84

Direction :
 Horizontal Vertical

Used Components :
 BPM : SPC84
 Steering : (('SXC61',1))
 from -1.5
 to 2
 number 5
 Q magnet: QFC84
 from -1
 to 1
 number
 next remem. save

GO READ

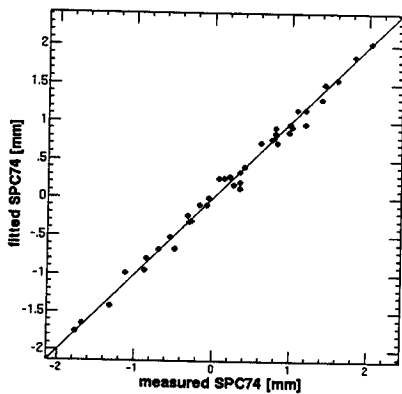
Display
 BPM : Steering step :
 SPC74 Fit

Result
 When the beam is at the Q center :
 BPM reading [mm]: .16388
 error [mm]: .00334
 Last BPM taken into account :
 SP134
 rel. curr. thresh. : .7

Fit Chk I Save

File Edit Window

residual = .097 mm



Hard Copy

12/07/2003 11:22:32 Help

Condition
 BPM to be Calibrated :
 SPC84

Direction :
 Horizontal Vertical

Used Components :
 BPM : SPC84
 Steering : (('SXC61',1))
 from -1.5
 to 2
 number 5
 Q magnet: QFC84
 from -1
 to 1
 number
 next remem. save

GO READ

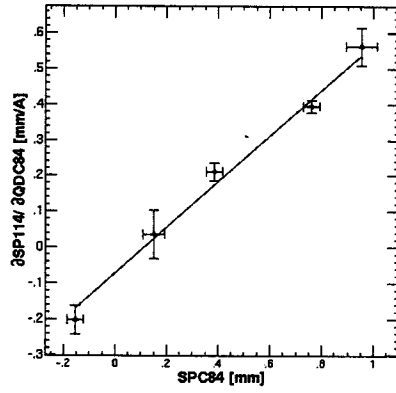
Display
 BPM : Steering step :
 SPC74 Fit

Result
 When the beam is at the Q center :
 BPM reading [mm]: .16388
 error [mm]: .00334
 Last BPM taken into account :
 SP134
 rel. curr. thresh. : .7

Fit Chk I Save

SPC74	0.187	0.009	(0.097)
SPC84	0.172	0.006	(0.114)
SP114	0.165	0.005	(0.078)
SP124	0.286	0.056	(0.089)
SP134	0.104	0.010	(0.107)

File Edit Window



Hard Copy

12/07/2002 14:18:37 Help

Condition
 BPM to be Calibrated :
 SPC84

Direction :
 Horizontal Vertical

Used Components :
 BPM : SPC84
 Steering : {{'SXC81',1}}
 from -1.5
 to 1.5
 number 5
 Q magnet: GDC84
 from -1
 to 1
 number 8

next remem. save
 GO READ

Display
 BPM : Steering step :
 SP114 Fit

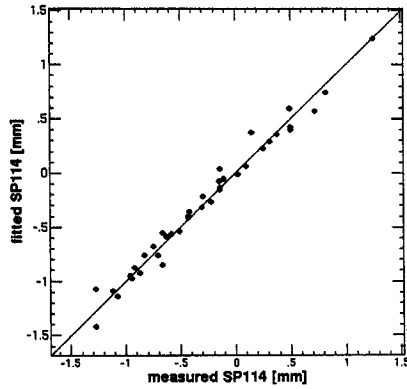
Result
 When the beam is at the Q center :
 BPM reading [mm]: .0865
 error [mm]: .01142

Last BPM taken into account :
 SP154
 ref. curr. thresh. : .7

Fit Ok | Save

File Edit Window

residual = .093 mm



Hard Copy

12/07/2002 14:19:06 Help

Condition
 BPM to be Calibrated :
 SPC84

Direction :
 Horizontal Vertical

Used Components :
 BPM : SPC84
 Steering : {{'SXC81',1}}
 from -1.5
 to 1.5
 number 5
 Q magnet: GDC84
 from -1
 to 1
 number 8

next remem. save
 GO READ

Display
 BPM : Steering step :
 SP114 Fit

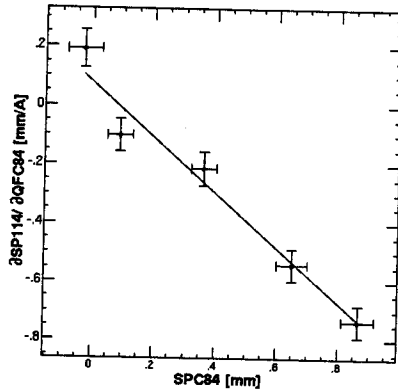
Result
 When the beam is at the Q center :
 BPM reading [mm]: .0865
 error [mm]: .01142

Last BPM taken into account :
 SP154
 ref. curr. thresh. : .7

Fit Ok | Save

SP114	0.013	0.019	(0.121)
SP124	0.002	0.017	(0.178)
SP134	-0.010	0.017	(0.149)
SP144	-0.108	0.079	(0.138)
SP154	0.014	0.036	(0.155)

File Edit Window



Hard Copy

12:07:20.03 19.5.07 Help

Condition
BPM to be Calibrated :
SPC84

Direction :
Horizontal Vertical

Used Components :
BPM : SPC84
Steering : ((SXC81,1))
from -1.5
to 1.5
number 5
Q magnet: QFC84
from -1
to 1
number 8

next remem. save

GO READ

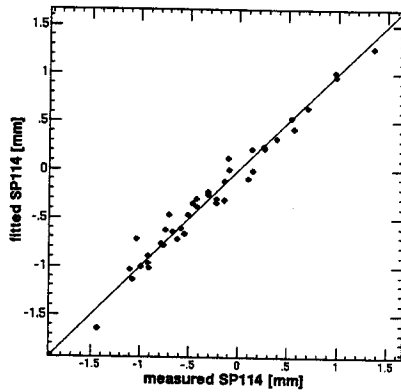
Display
BPM : Steering step :
SP114 Fit

Result
When the beam is at the Q center :
BPM reading [mm]: 6.76708E-5
error [mm]: .00972
Last BPM taken into account :
SP154
rel. curr. thresh. : .7

Fit Ok I Save

File Edit Window

residual = .121mm



Hard Copy

12:07:20.03 19.5.07 Help

Condition
BPM to be Calibrated :
SPC84

Direction :
Horizontal Vertical

Used Components :
BPM : SPC84
Steering : ((SXC81,1))
from -1.5
to 1.5
number 5
Q magnet: QFC84
from -1
to 1
number 8

next remem. save

GO READ

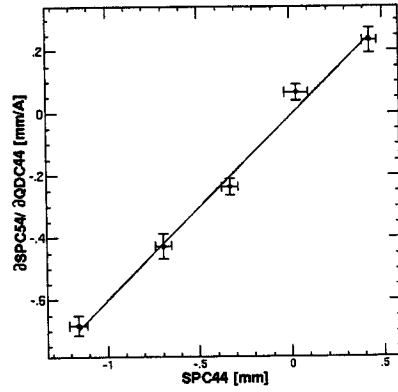
Display
BPM : Steering step :
SP114 Fit

Result
When the beam is at the Q center :
BPM reading [mm]: 6.76708E-5
error [mm]: .00972
Last BPM taken into account :
SP154
rel. curr. thresh. : .7

Fit Ok I Save

SP114	0.094	0.020	(0.093)
SP124	0.105	0.019	(0.138)
SP134	0.109	0.022	(0.121)
SP144	29.695	\$\$\$\$\$\$	(0.124)
SP154	-0.038	0.056	(0.150)

File Edit Window



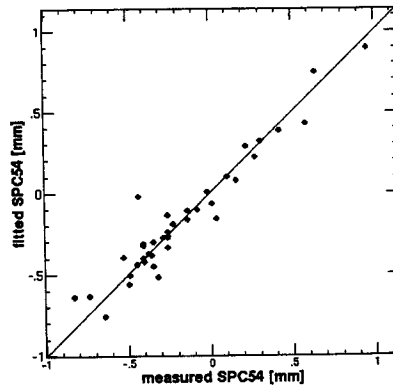
Hard Copy

12/07/2003 10:01:27 Help

Condition
 BPM to be Calibrated :
 SPC44
 Direction :
 Horizontal Vertical
 Used Components :
 BPM : SPC44
 Steering : {{"SXC41",1}}
 from -1.5
 to 2
 number 5
 Q magnet: GDC44
 from -1
 to 1
 number 8
 next remem. save
 GO READ
 Display
 BPM : Steering step :
 SPC54 Rt
 Result
 When the beam is at the Q center :
 BPM reading [mm]: -0.0773
 error [mm]: .00732
 Last BPM taken into account :
 SP114
 rel. curr. thresh. : .7
 Rt Ok I Save

File Edit Window

residual = .114 mm



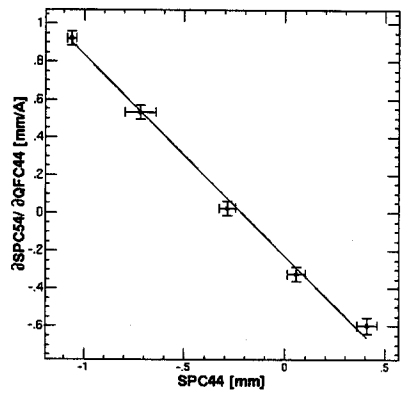
Hard Copy

12/07/2003 10:01:30 Help

Condition
 BPM to be Calibrated :
 SPC44
 Direction :
 Horizontal Vertical
 Used Components :
 BPM : SPC44
 Steering : {{"SXC41",1}}
 from -1.5
 to 2
 number 5
 Q magnet: GDC44
 from -1
 to 1
 number 8
 next remem. save
 GO READ
 Display
 BPM : Steering step :
 SPC54 Rt
 Result
 When the beam is at the Q center :
 BPM reading [mm]: -0.0773
 error [mm]: .00732
 Last BPM taken into account :
 SP114
 rel. curr. thresh. : .7
 Rt Ok I Save

SPC54	0.009	0.018	(0.114)
SPC64	0.065	0.068	(0.156)
SPC74	-0.181	0.027	(0.131)
SPC84	0.003	0.011	(0.122)
SP114	0.010	0.014	(0.126)

File Edit Window



Hard Copy

12.07.2002 14:08:57 Help

Condition
BPM to be Calibrated :
SPC44

Direction :
Horizontal Vertical

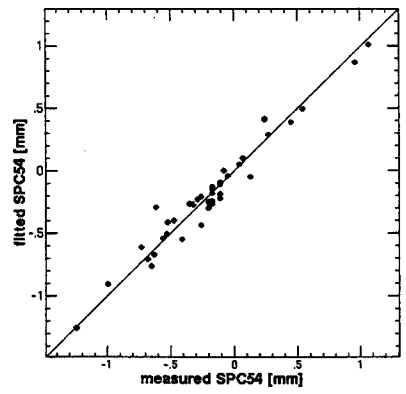
Used Components :
BPM : SPC44
Steering : {{('SXC41',1)}}
from -1.5
to 2
number 5
Q magnet: QFC44
from -1
to 1
number
next remem. save
GO READ

Display
BPM : Steering step :
SPC54 Fit

Result
When the beam is at the Q center :
BPM reading [mm]: -20657
error [mm]: .0047
Last BPM taken into account :
SP114
rel. curv. thresh. : .7
Fit Ok I Save

File Edit Window

residual = .106 mm



Hard Copy

12.07.2002 14:09:29 Help

Condition
BPM to be Calibrated :
SPC44

Direction :
Horizontal Vertical

Used Components :
BPM : SPC44
Steering : {{('SXC41',1)}}
from -1.5
to 2
number 5
Q magnet: QFC44
from -1
to 1
number
next remem. save
GO READ

Display
BPM : Steering step :
SPC54 Fit

Result
When the beam is at the Q center :
BPM reading [mm]: -20657
error [mm]: .0047
Last BPM taken into account :
SP114
rel. curv. thresh. : .7
Fit Ok I Save

SPC54	-0.187	0.009	(0.106)
SPC64	-0.273	0.041	(0.153)
SPC74	-0.191	0.023	(0.179)
SPC84	-0.210	0.008	(0.162)
SP114	-0.222	0.009	(0.138)

2004/3/12 (A)

SP8 Study

13:47 ~

(Ring ~~PSAB~~ PSAB PS checking #)

(condition) 25Hz, e-beam, FB ON

• SB-B の Φ E 振子 (initial 90.5 deg) SB-A = 90.5 deg.

	SB-B Φ	spread
13:50:48	90.5 deg.	1.44
13:51:23	91.5 deg.	2.4
13:54:22	92.5 deg.	3.0
13:57:45	93.5 deg.	3.6
14:00:49	94.5 deg.	4.6
14:03:38	95.5 deg.	5.1
14:07:09	96.5 deg.	6.1
14:10:07	97.5 deg.	
14:11:35	90.5 deg. Nominal (200 μ)	1.4
14:15:16	89.5	1.04
14:18:07	88.5	0.79
14:21:18	87.5	0.53
14:25:11	86.5	0.66
14:26:55	85.5	1.14
14: 28 35	84.5	1.21
14:30:03	83.5	2.38
14:31:02	82.5	3.35
14:32:44	81.5	4.7

SP584
(1.144 μ C)