



BC-081

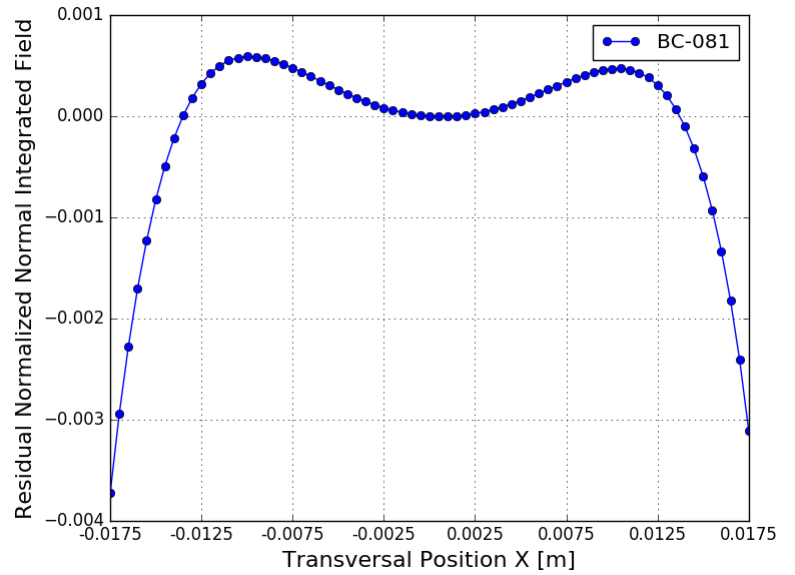
BOOSTER MAGNET REPORT

Results

Date	03/05/2016
Hour	15:35:41
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(9.980 ± 0.005)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.38600 \pm 0.00009) \times 10^{-3}$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(-5.5 \pm 1.0) \times 10^{-1}$

Electric Parameters

Inductance [mH]	3.268
Voltage [V]	0.771
Resistance [m Ω]	77.050
Main Coil Number of Turns	38.5



n	Normalized Normal Multipoles $x=17.5 \text{ mm}$ [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles $x=17.5 \text{ mm}$ [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(1.00000 ± 0.00003)	$(-5.5 \pm 0.3) \times 10^{-4}$
2 (quadrupole)	$(-2.1 \pm 0.4) \times 10^{-4}$	$(-7.0 \pm 0.6) \times 10^{-4}$
3 (sextupole)	$(2.76 \pm 0.09) \times 10^{-3}$	$(3.3 \pm 10.2) \times 10^{-5}$
4	$(2 \pm 1) \times 10^{-4}$	$(-7 \pm 5) \times 10^{-5}$
5	$(-2.1 \pm 0.1) \times 10^{-3}$	$(-2 \pm 9) \times 10^{-5}$
6	$(5.3 \pm 1.0) \times 10^{-4}$	$(-1.4 \pm 0.9) \times 10^{-4}$
7	$(-4.1 \pm 0.2) \times 10^{-3}$	$(-8 \pm 9) \times 10^{-5}$
8	$(-1.3 \pm 0.8) \times 10^{-4}$	$(-3 \pm 9) \times 10^{-5}$
9	$(6 \pm 9) \times 10^{-5}$	$(7.8 \pm 13.2) \times 10^{-5}$
10	$(-4.4 \pm 11.4) \times 10^{-5}$	$(-3.5 \pm 14.4) \times 10^{-5}$
11	$(5 \pm 1) \times 10^{-4}$	$(-8.6 \pm 15.5) \times 10^{-5}$
12	$(1.2 \pm 0.6) \times 10^{-4}$	$(-3.2 \pm 13.0) \times 10^{-5}$
13	$(-2 \pm 2) \times 10^{-4}$	$(4.3 \pm 10.4) \times 10^{-5}$
14	$(-1 \pm 2) \times 10^{-4}$	$(-2 \pm 7) \times 10^{-5}$
15	$(-2.3 \pm 1.0) \times 10^{-4}$	$(-2 \pm 1) \times 10^{-4}$

