



BC-067

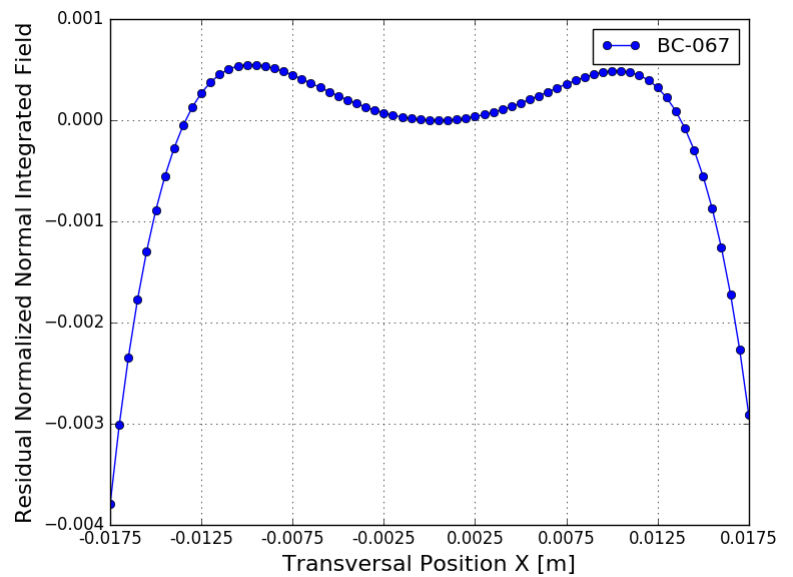
BOOSTER MAGNET REPORT

Results

Date	29/04/2016
Hour	11:29:42
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(9.979 ± 0.001)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.38909 \pm 0.00004) \times 10^{-3}$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(-1.1 \pm 0.2) \times 10^{-1}$

Electric Parameters

Indutance [mH]	3.170
Voltage [V]	0.769
Resistance [m Ω]	76.870
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 ± 0.00001)	$(-1.08 \pm 0.05) \times 10^{-4}$
2 (quadrupole)	$(-1.3 \pm 0.2) \times 10^{-4}$	$(-4.7 \pm 0.1) \times 10^{-4}$
3 (sextupole)	$(2.728 \pm 0.006) \times 10^{-3}$	$(-2.27 \pm 174.52) \times 10^{-7}$
4	$(4.5 \pm 0.6) \times 10^{-5}$	$(-4 \pm 1) \times 10^{-5}$
5	$(-2.17 \pm 0.01) \times 10^{-3}$	$(3.6 \pm 0.8) \times 10^{-5}$
6	$(6.0 \pm 0.1) \times 10^{-4}$	$(-2 \pm 1) \times 10^{-5}$
7	$(-4.09 \pm 0.01) \times 10^{-3}$	$(-2 \pm 1) \times 10^{-5}$
8	$(-5 \pm 9) \times 10^{-6}$	$(1.5 \pm 0.6) \times 10^{-5}$
9	$(1 \pm 1) \times 10^{-5}$	$(1.7 \pm 0.9) \times 10^{-5}$
10	$(-1.19 \pm 0.09) \times 10^{-4}$	$(7.7 \pm 98.8) \times 10^{-7}$
11	$(4.92 \pm 0.07) \times 10^{-4}$	$(-6.7 \pm 97.3) \times 10^{-7}$
12	$(1.5 \pm 0.6) \times 10^{-5}$	$(-5 \pm 5) \times 10^{-6}$
13	$(-7 \pm 1) \times 10^{-5}$	$(-9 \pm 9) \times 10^{-6}$
14	$(4 \pm 1) \times 10^{-5}$	$(1 \pm 1) \times 10^{-5}$
15	$(-2.51 \pm 0.09) \times 10^{-4}$	$(1.31 \pm 0.09) \times 10^{-4}$

