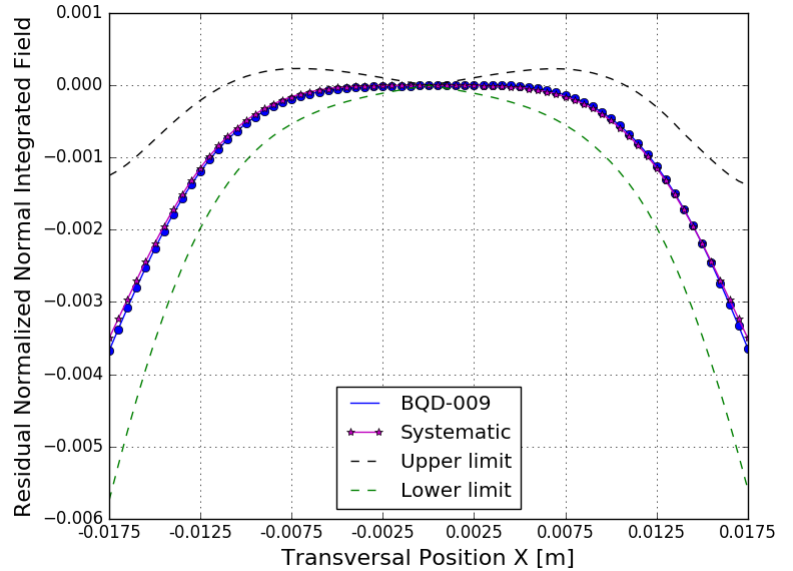


**BQD-009****BOOSTER MAGNET REPORT****Results**

Date	06/05/2016
Hour	12:16:58
Temperature [°C]	23.4
Number of Measurements	17
Main Coil Current [A]	$(31.9677 \pm 0.0005)$
Trim Coil Current [A]	$(0 \pm 0)$
Integrated Gradient [T]	$(-5.29545 \pm 0.00005) \times 10^{-1}$
Magnet Center Offset X [ $\mu\text{m}$ ] - ( $< \pm 160.0$ )	$(-8 \pm 2) \times 10^{-1}$
Magnet Center Offset Y [ $\mu\text{m}$ ] - ( $< \pm 160.0$ )	$(-36.7 \pm 0.2)$
Roll [mrad] - ( $< \pm 0.8$ )	$(-2.2 \pm 0.2) \times 10^{-1}$

**Electric Parameters**

Inductance [mH]	3.728
Voltage [V]	0.295
Resistance [ $\text{m}\Omega$ ]	29.50
Main Coil Number of Turns	27.5



n	Normalized Normal Multipoles $x=17.5 \text{ mm}$ [ $\text{T}\cdot\text{m}^{(2-n)}$ ]	Normalized Skew Multipoles $x=17.5 \text{ mm}$ [ $\text{T}\cdot\text{m}^{(2-n)}$ ]
1 (dipole)	$(-4.3 \pm 0.9) \times 10^{-5}$	$(-2.10 \pm 0.01) \times 10^{-3}$
2 (quadrupole)	$(1.000000 \pm 0.000009)$	$(-4.4 \pm 0.1) \times 10^{-4}$
3 (sextupole)	$(7.7 \pm 0.8) \times 10^{-5}$	$(-7.45 \pm 0.10) \times 10^{-4}$
4	$(-1 \pm 1) \times 10^{-5}$	$(7 \pm 2) \times 10^{-5}$
5	$(-5 \pm 1) \times 10^{-5}$	$(5 \pm 2) \times 10^{-5}$
6	$(-4.68 \pm 0.01) \times 10^{-3}$	$(-6 \pm 1) \times 10^{-5}$
7	$(3 \pm 1) \times 10^{-5}$	$(-2.2 \pm 18.7) \times 10^{-6}$
8	$(-2 \pm 2) \times 10^{-5}$	$(-6 \pm 1) \times 10^{-5}$
9	$(-4 \pm 3) \times 10^{-5}$	$(-3 \pm 1) \times 10^{-5}$
10	$(1.13 \pm 0.02) \times 10^{-3}$	$(-8 \pm 1) \times 10^{-5}$
11	$(3 \pm 2) \times 10^{-5}$	$(-5 \pm 2) \times 10^{-5}$
12	$(3 \pm 2) \times 10^{-5}$	$(-2 \pm 2) \times 10^{-5}$
13	$(-3 \pm 2) \times 10^{-5}$	$(-1 \pm 3) \times 10^{-5}$
14	$(-9 \pm 3) \times 10^{-5}$	$(-5 \pm 2) \times 10^{-5}$
15	$(4.8 \pm 35.9) \times 10^{-6}$	$(-5 \pm 3) \times 10^{-5}$

