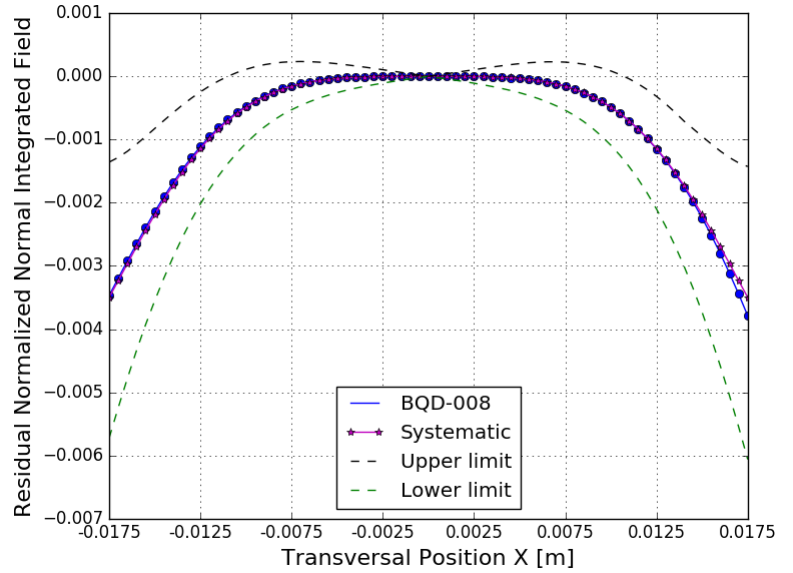


**BQD-008****BOOSTER MAGNET REPORT****Results**

Date	05/05/2016
Hour	11:02:31
Temperature [°C]	23.4
Number of Measurements	17
Main Coil Current [A]	(31.9680 ± 0.0005)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	$(-5.29830 \pm 0.00007) \times 10^{-1}$
Magnet Center Offset X [μm] - ($< \pm 160.0$)	(-32.7 ± 0.2)
Magnet Center Offset Y [μm] - ($< \pm 160.0$)	(-39.3 ± 0.6)
Roll [mrad] - ($< \pm 0.8$)	$(-1.2 \pm 0.3) \times 10^{-1}$

Electric Parameters

Inductance [mH]	3.718
Voltage [V]	0.279
Resistance [$\text{m}\Omega$]	27.90
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)	$(-1.87 \pm 0.01) \times 10^{-3}$	$(-2.24 \pm 0.03) \times 10^{-3}$
2 (quadrupole)	(1.00000 ± 0.00001)	$(-2.4 \pm 0.2) \times 10^{-4}$
3 (sextupole)	$(-2.7 \pm 12.0) \times 10^{-6}$	$(-7.7 \pm 0.3) \times 10^{-4}$
4	$(5.4 \pm 14.1) \times 10^{-6}$	$(1.5 \pm 0.2) \times 10^{-4}$
5	$(-4 \pm 2) \times 10^{-5}$	$(1.0 \pm 0.3) \times 10^{-4}$
6	$(-4.643 \pm 0.009) \times 10^{-3}$	$(2 \pm 2) \times 10^{-5}$
7	$(4 \pm 1) \times 10^{-5}$	$(9 \pm 3) \times 10^{-5}$
8	$(-6.5 \pm 13.1) \times 10^{-6}$	$(-9.4 \pm 30.8) \times 10^{-6}$
9	$(-9 \pm 2) \times 10^{-5}$	$(-8.80 \pm 320.51) \times 10^{-7}$
10	$(1.17 \pm 0.02) \times 10^{-3}$	$(6 \pm 2) \times 10^{-5}$
11	$(3 \pm 2) \times 10^{-5}$	$(4 \pm 3) \times 10^{-5}$
12	$(-4 \pm 2) \times 10^{-5}$	$(5 \pm 3) \times 10^{-5}$
13	$(-9 \pm 1) \times 10^{-5}$	$(3 \pm 3) \times 10^{-5}$
14	$(-1.1 \pm 0.3) \times 10^{-4}$	$(3 \pm 3) \times 10^{-5}$
15	$(-7.6 \pm 24.8) \times 10^{-6}$	$(4 \pm 3) \times 10^{-5}$

