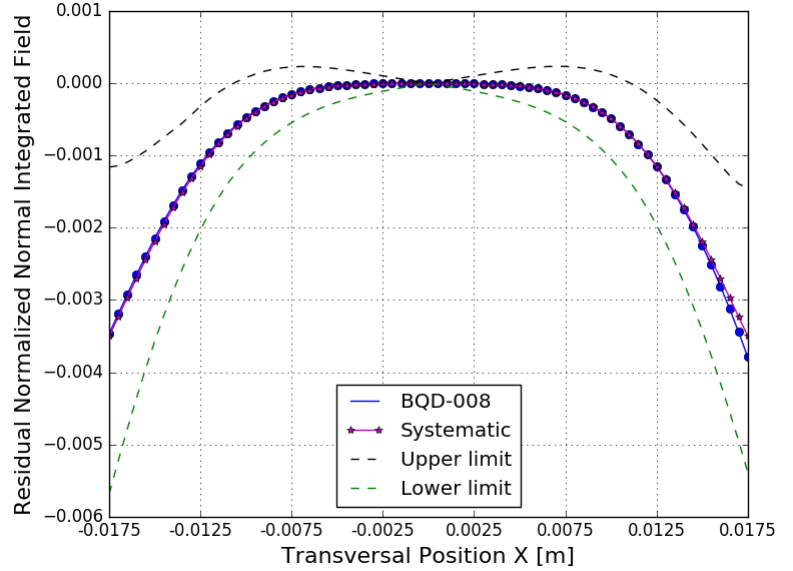


**BQD-008****BOOSTER MAGNET REPORT****Results**

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]	--
Integrated Gradient [T]	(-5.29830 ± 0.00007) x E-1
Magnet Center Offset X [μm] - (< ±160.0)	(-32.7 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-39.3 ± 0.6)
Roll [mrad] - (< ±0.8)	(-1.2 ± 0.3) x E-1

Electric Parameters

Inductance [mH]	3.718
Voltage [V]	0.2790
Resistance [mΩ]	27.90
Main Coil Number of Turns	27.5

**Normalized
Normal
Multipoles
x=17.5 mm
[T.m⁽²⁻ⁿ⁾]****Normalized
Skew
Multipoles
x=17.5 mm
[T.m⁽²⁻ⁿ⁾]**

n	Normalized Normal Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(-1.87 ± 0.01) x E-3	(-2.24 ± 0.03) x E-3
2 (quadrupole)	(1.00000 ± 0.00001)	(-2.4 ± 0.2) x E-4
3 (sextupole)	(-2.7 ± 12.0) x E-6	(-7.7 ± 0.3) x E-4
4	(5.4 ± 14.1) x E-6	(1.5 ± 0.2) x E-4
5	(-4 ± 2) x E-5	(1.0 ± 0.3) x E-4
6	(-4.643 ± 0.009) x E-3	(2 ± 2) x E-5
7	(4 ± 1) x E-5	(9 ± 3) x E-5
8	(-6.5 ± 13.1) x E-6	(-9.4 ± 30.8) x E-6
9	(-9 ± 2) x E-5	(-8.80 ± 320.51) x E-7
10	(1.17 ± 0.02) x E-3	(6 ± 2) x E-5
11	(3 ± 2) x E-5	(4 ± 3) x E-5
12	(-4 ± 2) x E-5	(5 ± 3) x E-5
13	(-9 ± 1) x E-5	(3 ± 3) x E-5
14	(-1.1 ± 0.3) x E-4	(3 ± 3) x E-5
15	(-7.6 ± 24.8) x E-6	(4 ± 3) x E-5

