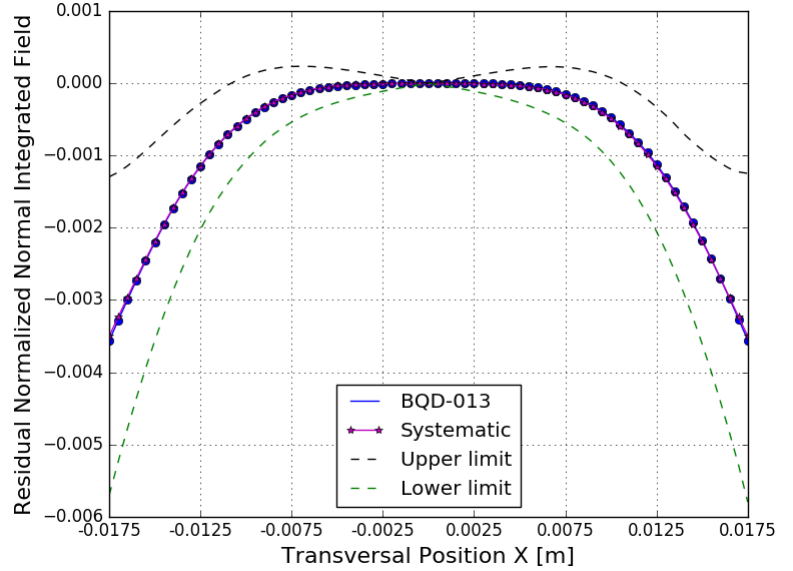


**BQD-013****BOOSTER MAGNET REPORT****Results**

Date	11/05/2016
Hour	08:54:53
Temperature [°C]	23.6
Number of Measurements	17
Main Coil Current [A]	(31.9640 ± 0.0004)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-5.29493 ± 0.00006) x E-1
Magnet Center Offset X [μm] - (< ±160.0)	(-15.7 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-36.1 ± 0.3)
Roll [mrad] - (< ±0.8)	(-4.0 ± 0.2) x E-1

Electric Parameters

Inductance [mH]	3.816
Voltage [V]	0.2754
Resistance [mΩ]	27.54
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)	(-8.96 ± 0.09) x E-4	(-2.06 ± 0.02) x E-3
2 (quadrupole)	(1.00000 ± 0.00001)	(-8.1 ± 0.1) x E-4
3 (sextupole)	(2.9 ± 0.8) x E-5	(-8.2 ± 0.1) x E-4
4	(1 ± 2) x E-5	(1.3 ± 0.2) x E-4
5	(-3.6 ± 0.9) x E-5	(2 ± 1) x E-5
6	(-4.66 ± 0.02) x E-3	(-4 ± 2) x E-5
7	(4 ± 3) x E-5	(-3.8 ± 16.3) x E-6
8	(-6 ± 2) x E-5	(-3 ± 3) x E-5
9	(-2 ± 2) x E-5	(-2 ± 3) x E-5
10	(1.19 ± 0.02) x E-3	(-2 ± 2) x E-5
11	(-2.46 ± 354.38) x E-7	(-3 ± 4) x E-5
12	(6 ± 5) x E-5	(1.7 ± 62.5) x E-6
13	(3 ± 7) x E-5	(8.5 ± 91.0) x E-6
14	(-1.0 ± 0.2) x E-4	(-6.0 ± 24.0) x E-6
15	(-4 ± 2) x E-5	(9.3 ± 36.9) x E-6

