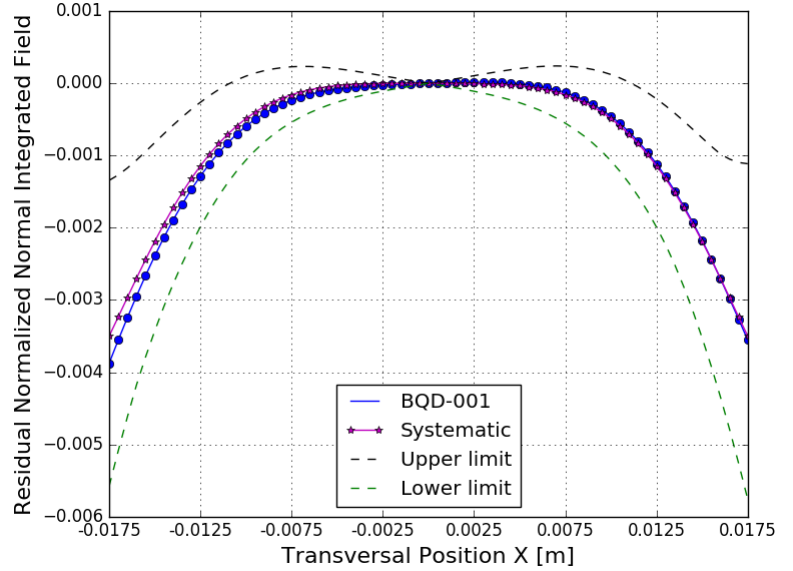


**BQD-001****BOOSTER MAGNET REPORT****Results**

Date	05/05/2016
Hour	16:15:04
Temperature [°C]	24.1
Number of Measurements	17
Main Coil Current [A]	(31.9724 ± 0.0005)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-5.29271 ± 0.00003) × E-1
Magnet Center Offset X [μm] - (< ±160.0)	(-3.1 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-25.9 ± 0.4)
Roll [mrad] - (< ±0.8)	(-2.6 ± 0.2) × E-1

Electric Parameters

Inductance [mH]	3.728
Voltage [V]	0.2797
Resistance [mΩ]	27.97
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)	(-1.75 ± 0.09) × E-4	(-1.48 ± 0.02) × E-3
2 (quadrupole)	(1.000000 ± 0.000006)	(-5.2 ± 0.1) × E-4
3 (sextupole)	(1.3 ± 0.1) × E-4	(-7.8 ± 0.2) × E-4
4	(-1.3 ± 0.1) × E-4	(1.7 ± 0.2) × E-4
5	(-5 ± 1) × E-5	(2 ± 1) × E-5
6	(-4.66 ± 0.02) × E-3	(1 ± 2) × E-5
7	(5 ± 1) × E-5	(4 ± 2) × E-5
8	(-5.6 ± 16.4) × E-6	(2.793 ± 1805.589) × E-8
9	(-4 ± 2) × E-5	(1 ± 1) × E-5
10	(1.18 ± 0.02) × E-3	(-2 ± 4) × E-5
11	(5 ± 2) × E-5	(5 ± 2) × E-5
12	(-2.2 ± 25.1) × E-6	(6 ± 3) × E-5
13	(-3 ± 3) × E-5	(2 ± 2) × E-5
14	(-1.0 ± 0.2) × E-4	(-3 ± 4) × E-5
15	(4 ± 3) × E-5	(3 ± 3) × E-5

