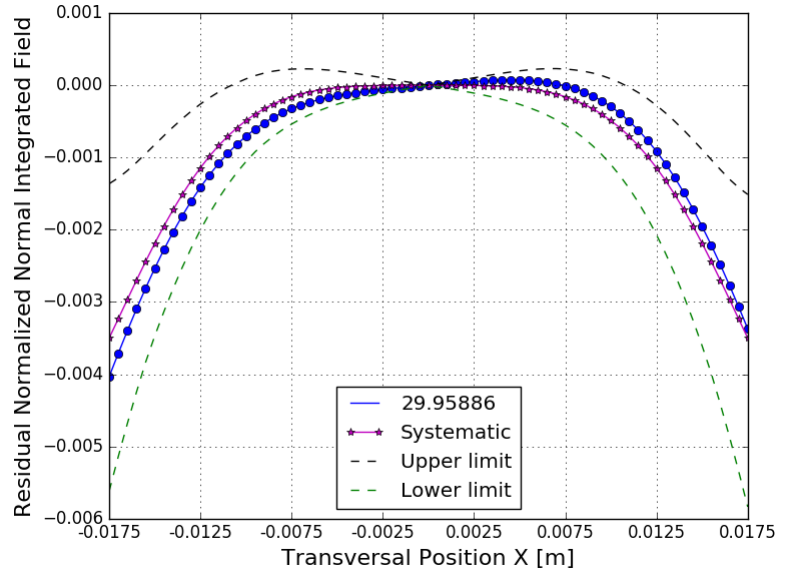


**BQD-003****BOOSTER MAGNET REPORT****Results**

Date	04/05/2016
Hour	10:52:30
Temperature [°C]	23.2
Number of Measurements	17
Main Coil Current [A]	(29.9589 ± 0.0007)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.96053 ± 0.00005) × E-1
Magnet Center Offset X [μm] - (< ±160.0)	(30.0 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-24.2 ± 0.2)
Roll [mrad] - (< ±0.8)	(-5.8 ± 0.1) × E-1

Electric Parameters

Inductance [mH]	3.695
Voltage [V]	0.2789
Resistance [mΩ]	27.89
Main Coil Number of Turns	27.5



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)	(1.714 ± 0.009) × E-3	(-1.380 ± 0.009) × E-3
2 (quadrupole)	(1.00000 ± 0.00001)	(-1.161 ± 0.008) × E-3
3 (sextupole)	(3.82 ± 0.08) × E-4	(-9.9 ± 0.2) × E-4
4	(-4 ± 2) × E-5	(8 ± 1) × E-5
5	(-8 ± 2) × E-5	(8 ± 1) × E-5
6	(-4.66 ± 0.01) × E-3	(-8 ± 2) × E-5
7	(4 ± 2) × E-5	(-3 ± 2) × E-5
8	(-3 ± 2) × E-5	(-8 ± 2) × E-5
9	(-3 ± 2) × E-5	(-2 ± 2) × E-5
10	(1.16 ± 0.02) × E-3	(-8 ± 3) × E-5
11	(3 ± 3) × E-5	(-5 ± 4) × E-5
12	(-5 ± 2) × E-5	(-3 ± 4) × E-5
13	(-4 ± 2) × E-5	(9.4 ± 18.9) × E-6
14	(-8 ± 3) × E-5	(-9 ± 3) × E-5
15	(3 ± 2) × E-5	(-1 ± 4) × E-5

