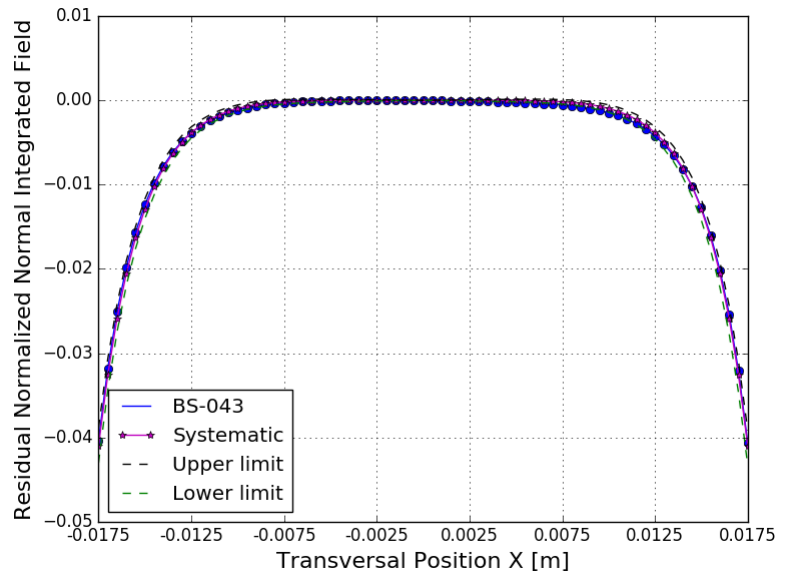


**BS-043****BOOSTER MAGNET REPORT****Results**

Date	26/10/2016
Hour	14:51:03
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.963 ± 0.002)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4020 ± 0.0006)
Magnet Center Offset X [μm] - (< ±160.0)	(-8.6 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-37.3 ± 0.2)
Roll [mrad] - (< ±0.8)	(8.0 ± 0.6) × E-2

Electric Parameters

Inductance [mH]	0.109
Voltage [V]	--
Resistance [mΩ]	--
Main Coil Number of Turns	3



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)	(-3.05 ± 0.02) × E-3	(-2.38 ± 0.02) × E-3
2 (quadrupole)	(-9.8 ± 0.2) × E-4	(-4.26 ± 0.02) × E-3
3 (sextupole)	(1.00000 ± 0.00003)	(2.4 ± 0.2) × E-4
4	(-3.4 ± 0.2) × E-4	(-8.8 ± 0.3) × E-4
5	(-1.48 ± 0.02) × E-3	(2.0 ± 0.3) × E-4
6	(8 ± 4) × E-5	(-7 ± 3) × E-5
7	(-3.9 ± 0.2) × E-4	(8 ± 3) × E-5
8	(1.2 ± 0.3) × E-4	(3.8 ± 0.2) × E-4
9	(-2.170 ± 0.004) × E-2	(-3 ± 4) × E-5
10	(4 ± 5) × E-5	(2 ± 4) × E-5
11	(9.4 ± 11.1) × E-5	(-2 ± 5) × E-5
12	(-2.4 ± 10.0) × E-5	(3.7 ± 60.5) × E-6
13	(-2 ± 6) × E-5	(2 ± 5) × E-5
14	(-7.5 ± 53.5) × E-6	(5.2 ± 0.3) × E-4
15	(-1.703 ± 0.009) × E-2	(2 ± 5) × E-5

