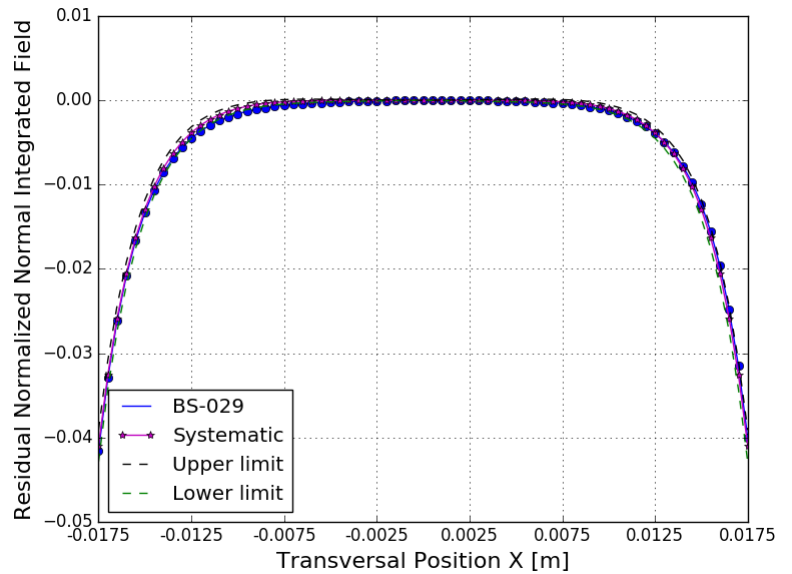


**BS-029****BOOSTER MAGNET REPORT****Results**

Date	20/10/2016
Hour	15:23:59
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.941 ± 0.002)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-21.4153 ± 0.0006)
Magnet Center Offset X [μm] - (< ±160.0)	(-27.0 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-36.9 ± 0.2)
Roll [mrad] - (< ±0.8)	(4.29 ± 0.07) x E-1

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)	(-3.20 ± 0.02) x E-3	(-3.19 ± 0.02) x E-3
2 (quadrupole)	(-3.09 ± 0.01) x E-3	(-4.22 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00003)	(1.29 ± 0.02) x E-3
4	(2.2 ± 0.2) x E-4	(-9.7 ± 0.3) x E-4
5	(-1.77 ± 0.02) x E-3	(2.1 ± 0.4) x E-4
6	(2.0 ± 0.1) x E-4	(-3 ± 3) x E-5
7	(-4.8 ± 0.4) x E-4	(2.6 ± 0.3) x E-4
8	(3.7 ± 0.4) x E-4	(4.4 ± 0.4) x E-4
9	(-2.171 ± 0.003) x E-2	(-1.9 ± 0.3) x E-4
10	(5 ± 4) x E-5	(3 ± 4) x E-5
11	(1.0 ± 0.4) x E-4	(-3 ± 7) x E-5
12	(6.5 ± 31.9) x E-6	(-3 ± 3) x E-5
13	(-4.4 ± 72.6) x E-6	(-1 ± 1) x E-4
14	(-7 ± 9) x E-5	(5.1 ± 1.0) x E-4
15	(-1.698 ± 0.005) x E-2	(-2.5 ± 0.6) x E-4

