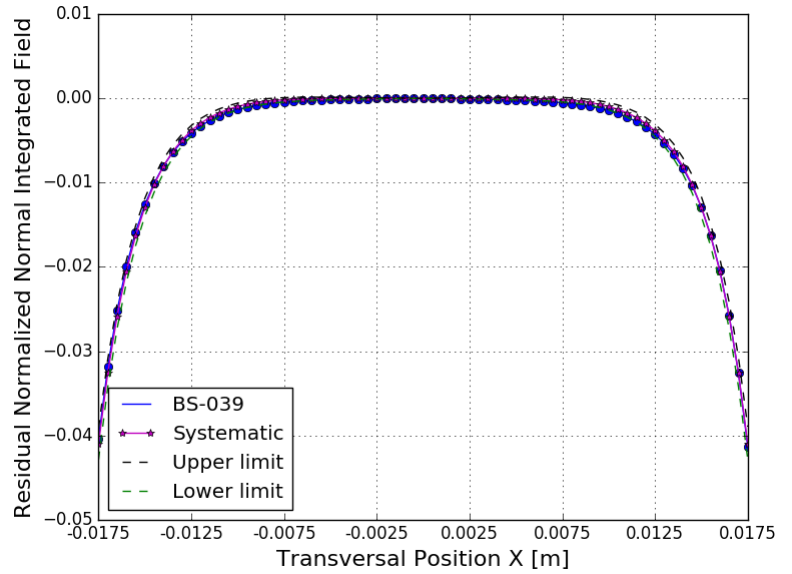


**BS-039****BOOSTER MAGNET REPORT****Results**

Date	28/10/2016
Hour	15:33:42
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.950 ± 0.002)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4038 ± 0.0006)
Magnet Center Offset X [μm] - (< ±160.0)	(19.9 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-28.8 ± 0.3)
Roll [mrad] - (< ±0.8)	(1.27 ± 0.06) x E-1

Electric Parameters

Inductance [mH]	0.107
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)	(-3.94 ± 0.03) x E-3	(-1.72 ± 0.03) x E-3
2 (quadrupole)	(2.28 ± 0.01) x E-3	(-3.29 ± 0.03) x E-3
3 (sextupole)	(1.00000 ± 0.00003)	(3.8 ± 0.2) x E-4
4	(-1.1 ± 0.2) x E-4	(-1.40 ± 0.02) x E-3
5	(-1.76 ± 0.04) x E-3	(5.7 ± 28.2) x E-6
6	(1.1 ± 0.4) x E-4	(-5 ± 6) x E-5
7	(-3.7 ± 0.5) x E-4	(9 ± 7) x E-5
8	(-1.6 ± 0.3) x E-4	(3.7 ± 0.4) x E-4
9	(-2.177 ± 0.002) x E-2	(-6 ± 3) x E-5
10	(1 ± 4) x E-5	(7 ± 3) x E-5
11	(1.2 ± 0.4) x E-4	(-6.16 ± 388.13) x E-7
12	(-3 ± 8) x E-5	(2 ± 6) x E-5
13	(6 ± 9) x E-5	(-1.2 ± 10.0) x E-5
14	(-2.7 ± 0.5) x E-4	(5.3 ± 0.7) x E-4
15	(-1.712 ± 0.004) x E-2	(-5 ± 7) x E-5

