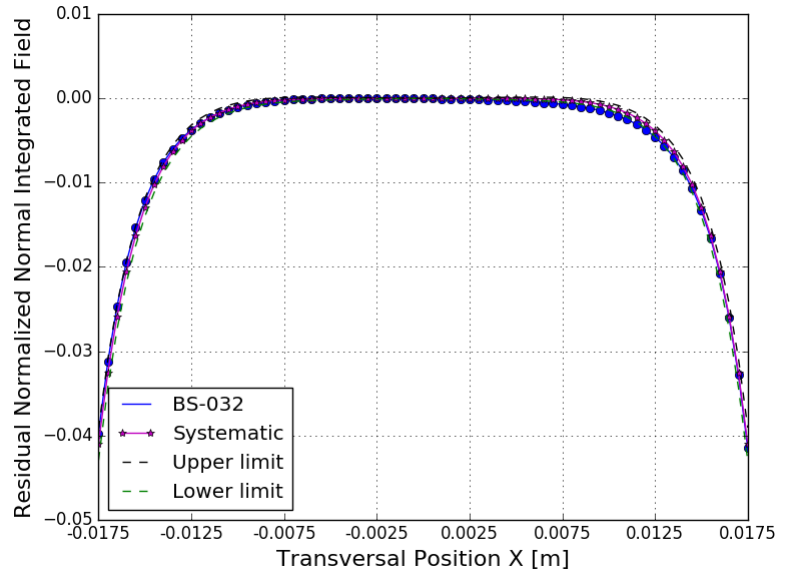


**BS-032****BOOSTER MAGNET REPORT****Results**

Date	20/10/2016
Hour	13:05:39
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.938 ± 0.001)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-21.4536 ± 0.0007)
Magnet Center Offset X [μm] - (< ±160.0)	(12.8 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-33.0 ± 0.4)
Roll [mrad] - (< ±0.8)	(1.01 ± 0.04) x E-1

Electric Parameters

Inductance [mH]	0.108
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)	(-3.91 ± 0.03) x E-3	(-1.81 ± 0.02) x E-3
2 (quadrupole)	(1.47 ± 0.02) x E-3	(-3.77 ± 0.05) x E-3
3 (sextupole)	(1.00000 ± 0.00003)	(3.0 ± 0.1) x E-4
4	(-5.7 ± 0.2) x E-4	(-1.26 ± 0.03) x E-3
5	(-1.72 ± 0.03) x E-3	(-4 ± 4) x E-5
6	(9.5 ± 21.3) x E-6	(-7 ± 3) x E-5
7	(-3.6 ± 0.3) x E-4	(4 ± 4) x E-5
8	(-1.3 ± 0.3) x E-4	(4.3 ± 0.4) x E-4
9	(-2.173 ± 0.002) x E-2	(-3 ± 4) x E-5
10	(8 ± 6) x E-5	(3 ± 7) x E-5
11	(8 ± 6) x E-5	(3 ± 8) x E-5
12	(-4 ± 3) x E-5	(6 ± 4) x E-5
13	(-2 ± 5) x E-5	(-3 ± 4) x E-5
14	(-2.1 ± 0.3) x E-4	(5.4 ± 0.5) x E-4
15	(-1.687 ± 0.004) x E-2	(1 ± 5) x E-5

