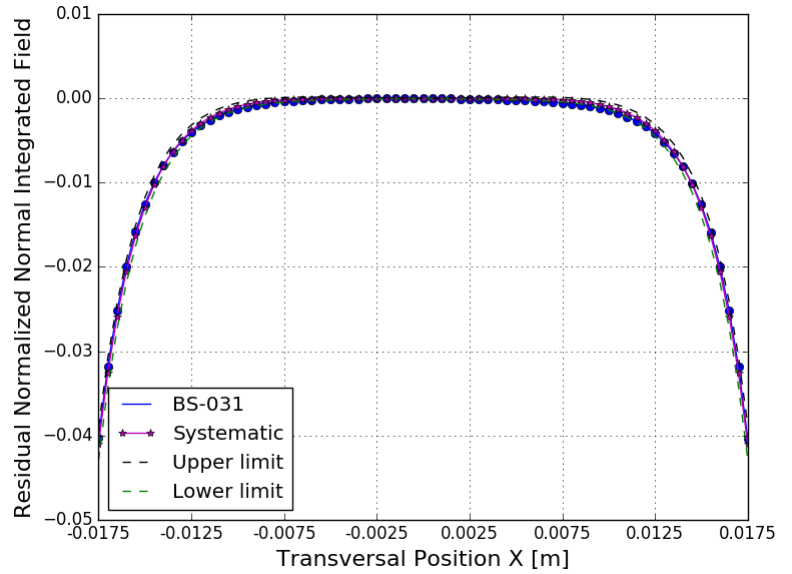


**BS-031****BOOSTER MAGNET REPORT****Results**

Date	20/10/2016
Hour	11:11:27
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]	(-21.4316 ± 0.0008)
Magnet Center Offset X [μm] - (< ±160.0)	(-6.5 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-27.9 ± 0.2)
Roll [mrad] - (< ±0.8)	(3.84 ± 0.04) x E-1

Electric Parameters

Inductance [mH]	0.104
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)	(-4.02 ± 0.02) x E-3	(-2.79 ± 0.03) x E-3
2 (quadrupole)	(-7.4 ± 0.1) x E-4	(-3.19 ± 0.03) x E-3
3 (sextupole)	(1.00000 ± 0.00004)	(1.15 ± 0.01) x E-3
4	(-1.8 ± 0.2) x E-4	(-9.5 ± 0.3) x E-4
5	(-1.69 ± 0.03) x E-3	(1.5 ± 0.3) x E-4
6	(1.1 ± 0.4) x E-4	(2 ± 4) x E-5
7	(-2.7 ± 0.3) x E-4	(2.0 ± 0.4) x E-4
8	(1.2 ± 0.7) x E-4	(3.1 ± 0.8) x E-4
9	(-2.167 ± 0.005) x E-2	(-1.5 ± 0.7) x E-4
10	(3 ± 3) x E-5	(4 ± 8) x E-5
11	(1.2 ± 0.5) x E-4	(-2 ± 4) x E-5
12	(-2 ± 4) x E-5	(1.20 ± 420.74) x E-7
13	(4.4 ± 46.6) x E-6	(-2 ± 5) x E-5
14	(-8.8 ± 13.1) x E-5	(5 ± 1) x E-4
15	(-1.681 ± 0.009) x E-2	(-1 ± 2) x E-4

