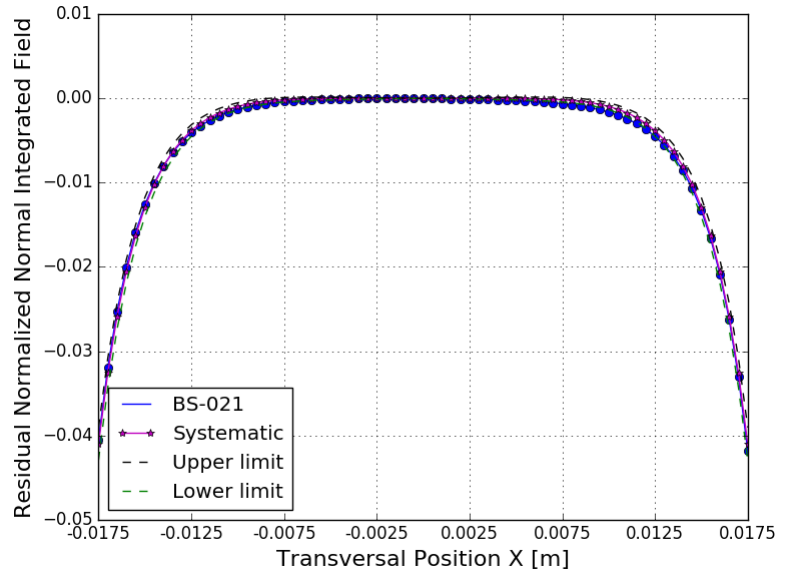


**BS-021****BOOSTER MAGNET REPORT****Results**

Date	31/10/2016
Hour	12:47:03
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.943 ± 0.002)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4198 ± 0.0003)
Magnet Center Offset X [μm] - (< ±160.0)	(20.1 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-34.4 ± 0.1)
Roll [mrad] - (< ±0.8)	(-6.2 ± 0.4) x E-2

**Electric Parameters**

Inductance [mH]	0.110
Voltage [V]	--
Resistance [mΩ]	--
Main Coil Number of Turns	3



n	Normalized Normal Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(-3.44 ± 0.01) x E-3	(-1.87 ± 0.02) x E-3
2 (quadrupole)	(2.29 ± 0.01) x E-3	(-3.93 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(-1.9 ± 0.1) x E-4
4	(-3.0 ± 0.2) x E-4	(-1.22 ± 0.03) x E-3
5	(-1.94 ± 0.03) x E-3	(10 ± 3) x E-5
6	(10 ± 2) x E-5	(-3 ± 2) x E-5
7	(-4.5 ± 0.2) x E-4	(7 ± 3) x E-5
8	(-1.7 ± 0.6) x E-4	(3.9 ± 0.5) x E-4
9	(-2.176 ± 0.004) x E-2	(-6.5 ± 60.1) x E-6
10	(-4.5 ± 76.0) x E-6	(4 ± 6) x E-5
11	(1.3 ± 0.3) x E-4	(-8.6 ± 54.3) x E-6
12	(-3 ± 3) x E-5	(-4 ± 3) x E-5
13	(-1 ± 3) x E-5	(2 ± 5) x E-5
14	(-2.6 ± 0.8) x E-4	(5.7 ± 0.6) x E-4
15	(-1.71 ± 0.01) x E-2	(-3.4 ± 77.2) x E-6

