



BS-023

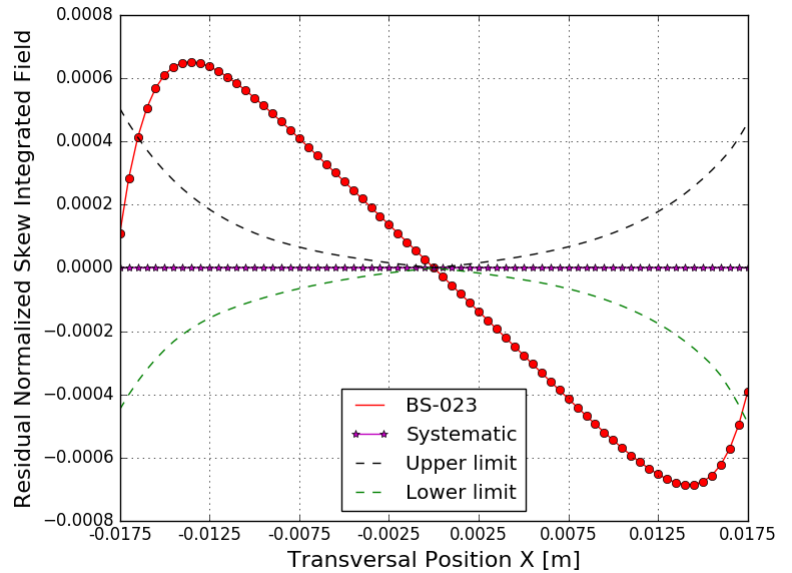
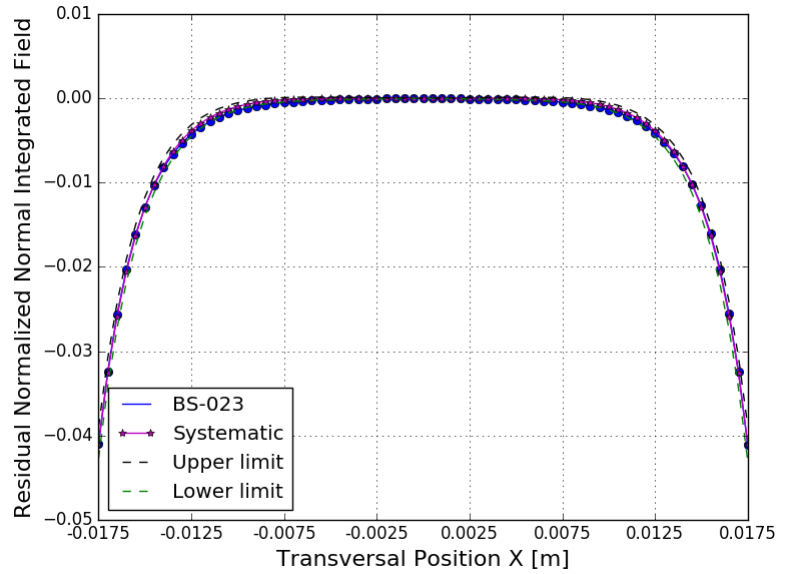
BOOSTER MAGNET REPORT

Results

Date	21/10/2016
Hour	14:52:32
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.958 ± 0.002)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-21.4286 ± 0.0005)
Magnet Center Offset X [μm] - (< ±160.0)	(8.0 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-24.9 ± 0.2)
Roll [mrad] - (< ±0.8)	(-2.6 ± 0.5) × E-2

Electric Parameters

Inductance [mH]	0.106
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)	(-3.54 ± 0.02) × E-3	(-1.93 ± 0.03) × E-3
2 (quadrupole)	(9.2 ± 0.1) × E-4	(-2.85 ± 0.02) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-8 ± 1) × E-5
4	(3 ± 2) × E-5	(-9.6 ± 0.3) × E-4
5	(-1.77 ± 0.02) × E-3	(-2 ± 2) × E-5
6	(1.5 ± 0.2) × E-4	(-5 ± 2) × E-5
7	(-3.7 ± 0.4) × E-4	(4 ± 3) × E-5
8	(-4 ± 2) × E-5	(2.3 ± 0.4) × E-4
9	(-2.176 ± 0.002) × E-2	(-5 ± 3) × E-5
10	(3.9 ± 26.1) × E-6	(4 ± 4) × E-5
11	(9 ± 5) × E-5	(3.7 ± 57.6) × E-6
12	(-1.59 ± 519.01) × E-7	(1 ± 8) × E-5
13	(-7.6 ± 15.4) × E-5	(-6.8 ± 10.1) × E-5
14	(-1.8 ± 0.8) × E-4	(4.8 ± 0.5) × E-4
15	(-1.716 ± 0.008) × E-2	(-5 ± 7) × E-5