



BS-027

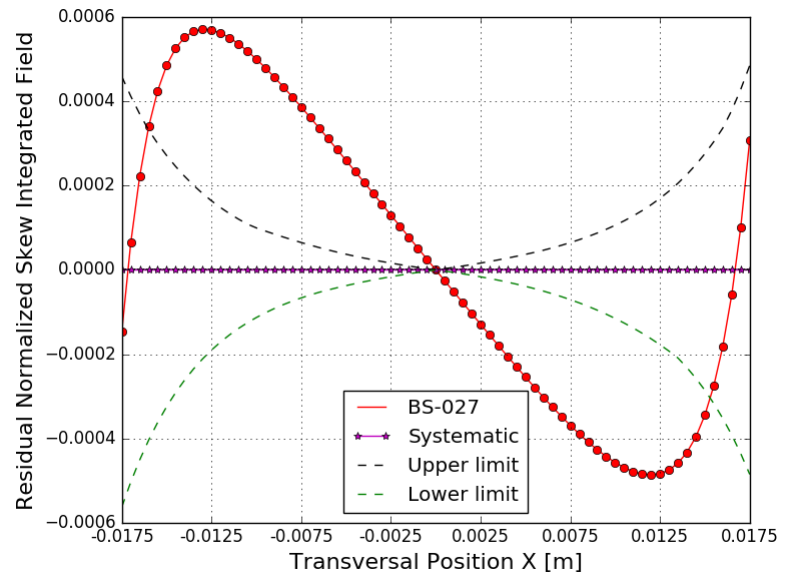
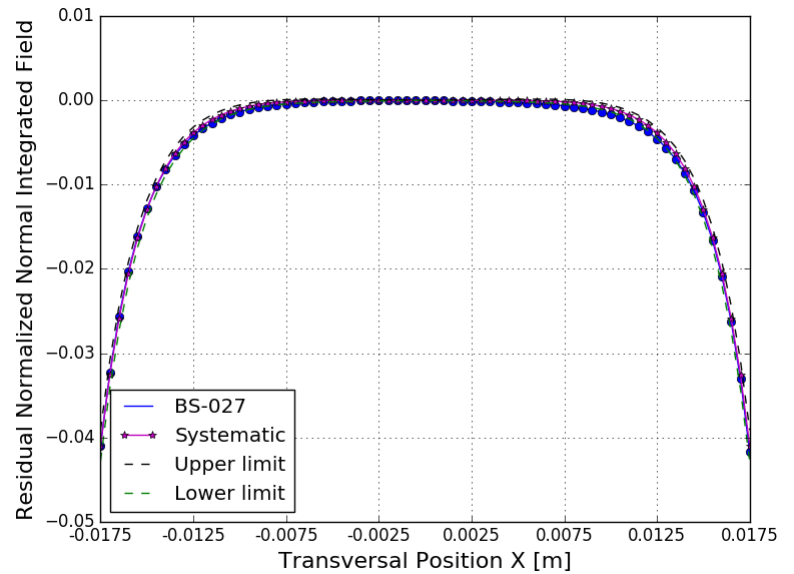
BOOSTER MAGNET REPORT

Results

Date	24/10/2016
Hour	09:09:44
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.978 ± 0.002)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-21.4409 ± 0.0004)
Magnet Center Offset X [μm] - (< ±160.0)	(9.29 ± 0.09)
Magnet Center Offset Y [μm] - (< ±160.0)	(-44.0 ± 0.2)
Roll [mrad] - (< ±0.8)	(2.2 ± 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)	(-3.63 ± 0.02) × E-3	(-2.42 ± 0.03) × E-3
2 (quadrupole)	(1.06 ± 0.01) × E-3	(-5.03 ± 0.02) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(7 ± 2) × E-5
4	(-3.0 ± 0.2) × E-4	(-9.1 ± 0.3) × E-4
5	(-2.07 ± 0.02) × E-3	(2 ± 3) × E-5
6	(9 ± 5) × E-5	(6 ± 4) × E-5
7	(-5.1 ± 0.3) × E-4	(1.6 ± 0.4) × E-4
8	(-9 ± 3) × E-5	(4.3 ± 0.4) × E-4
9	(-2.173 ± 0.004) × E-2	(-6 ± 3) × E-5
10	(2 ± 4) × E-5	(5 ± 3) × E-5
11	(1.1 ± 0.6) × E-4	(-2 ± 4) × E-5
12	(3 ± 9) × E-5	(-2 ± 5) × E-5
13	(-3 ± 3) × E-5	(2 ± 5) × E-5
14	(-1.4 ± 0.4) × E-4	(6.1 ± 0.5) × E-4
15	(-1.714 ± 0.008) × E-2	(-5 ± 4) × E-5